BOROUGH OF DARWEN.

REPORT

— OF —

F. G. HAWORTH,

M.B.C.M., L.R.C.S., D.P.H.,

MEDICAL OFFICER OF HEALTH,

Medical Officer of the Education Committee,

POLICE SURGEON,

FOR THE

Year ending December 31st, 1908.

PRESTON:
Mather Bros., Printers, Bookbinders, &c., 31, Lune Street.

MDCCCCIX.

Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

https://archive.org/details/b29151909

VALE HOUSE, DARWEN,

FEBRUARY, 1909.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

Gentlemen,

I have the honour to present to you my Fourteenth Annual Report, being for the Year ending December 31st, 1908.

I am, Gentlemen,

Your obedient Servant,

F. G. HAWORTH,

Medical Officer of Health,

Darwen Urban Sanitary Authority.

Members of the Health Committee

1908—1909.

ALDERMAN A. T. ECCLES, J.P., MAYOR.

Chairman :

ALDERMAN RALPH SHORROCK, J.P.

Vice-Chairman :

COUNCILLOR GEORGE PICKUP HOLDEN, J.P.

ALDERMAN A. Carus, J.P., C.C.
,, J. COCKER, J.P.
ALDERMAN A. T. ECCLES, J.P.
,, T. LIGHTBOWN, B.A. J.P., C.A.

ALDERMAN JOHN TOMLINSON, J.P., C.C.

COUNCILLOR J. BURY.
,, E. CATTERALL.
,, T. P. DAVIES, J.P.
,, P. DUCKWORTH, J.P.
,, T. DUXBURY.
,, A. GIBSON, J.P.
,, E. GIBSON.
,, F. HINDLE, C.C.
COUNCILLOR H. C. JEPSON.
,, W. P. KAY.
,, J. LORD.
,, J. PICKUP.
,, JOHN B. THORNLEY.
,, J. TOMLINSON, J.P.
,, J. T. WALMSLEY.
,, W. WORTH J.P.

COUNCILLOR J. HODKINSON.

TOWN CLERK	MR. WILLIAM P. HALLIWELL, B.A.
ASSISTANT TOWN CLERK	JOHN DERBYSHIRE.
NUISANCE INSPECTORS	(South Division)—W. E. MARSDEN. (North Division)—C. R. WALSH.
SUPERINTENDENT OF SCAVENGING	JOSEPH NICCOLL.
SLAUGHTER HOUSE AND MEAT INSPECTOR	WILLIAM BICKERSTAFFE.
MEDICAL OFFICER OF INFECTIOUS DISEASES HOSPITAL	F. G. HAWORTH.
SCHOOL NURSE AND LADY HEALTH VISITOR	MISS L. M. GLASS.

METEOROLOGY.

JANUARY.

Barometer,	Mean Reading	29.309	inches
,,	Highest Reading on the 20th	29.752	,,
Lowest Reading on the 8th		28.344	,,
Dry Bulb Thermometer,	Mean Temperature	35.3	degrees
Wet Bulb Thermometer,	Mean Temperature	34.7	,,
Maximum Thermometer,	Mean Temperature	40.3	,,
,, ,,	Highest Temperature recorded on the 17th	49.9	,,
Minimum Thermometer,	Mean Temperature	29.5	,,
,, ,,	Lowest Temperature recorded on the 5th	17.9	,,
Water Thermometer,	Mean Temperature	34.0	,,
,, ,,	Highest Temperature recorded on the 27th	39.0	,,
,, ,,	Lowest Temperature recorded on the 10th	32.3	,,
Grass Minimum Thermometer,	Mean Temperature	28.4	,,
Earth Thermometer,	Mean Temperature 1ft.	35.1	,,
,, ,,	,, ,, 4ft.	39.9	,,
,, ,,	,, ,, 10ft.	45.0	,,
Humidity,	Mean	.94	%
,,	Highest on the 10th	100	%
,,	Lowest on the 29th	65	%
Rainfall,	Total Fall	4.07	inches
,,	Daily Average	0.13	,,
,,	Greatest Fall on the 26th	0.85	,,
,,	Recorded on	14	days
Sunshine,	Total Duration	38.41	hours
,,	Daily Average	1.24	,,
,,	Highest on the 20th	6.00	,,
,,	Recorded on	17	days
Wind,	Mean Velocity in Miles per hour	18	
,,	Maximum Velocity in milesper hour on the 31st, dir. W. ...	59	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	6	4	0	27	13	7	4

Cloud, Mean Amount (overcast sky indicated by 10) 7

Gales of Wind, on 1 8 27 28 and 31st.

Ground Frost, on 1 2 3 4 5 6 9 10 11 12 13 14 21 22 24 25 29 and 30th.

Hoar Frost on 19, 20, 21, 29th.

Snow on 8, 9, 28, and 30th. **Hail on** 28th.

FEBRUARY.

Barometer,	Mean Reading	29.254	inches
,,	Highest Reading recorded on the 6th	29.938	,,
,,	Lowest Reading recorded on the 28th	28.246	,,
Dry Bulb Thermometer,	Mean Temperature	39.0	degrees
Wet Bulb Thermometer,	Mean Temperature	38.2	,,
Maximum Thermometer,	Mean Temperature	42.8	,,
,, ,,	Highest Temperature recorded on the 20th	49.7	,,
Minimum Thermometer,	Mean Temperature	34.0	,,
,, ,,	Lowest Temperature recorded on the 29th	25.2	,,
Water Thermometer,	Mean Temperature	37.5	,,
,, ,,	Highest Temperature recorded on the 19th	48.0	,,
,, ,,	Lowest Temperature recorded on the 4th	34.0	,,
Grass Minimum Thermometer,	Mean Temperature	33.2	,,
Earth Thermometer,	Mean Temperature 1ft.	39.1	,,
,, ,,	,, ,, 4ft.	40.3	,,
,, ,,	,, ,, 10ft.	43.1	,,
Humidity,	Mean	93	%
,,	Highest on the 6th	100	%
,,	Lowest on the 1st	70	%
Rainfall,	Total Fall	4.60	inches
,,	Daily Average	0.16	,,
,,	Greatest Fall on the 17th	0.90	,,
,,	Recorded on	23	days
Sunshine,	Total Duration	37.40	hours
,,	Daily Average	1.29	,,
,,	Highest on the 1st	6.75	,,
,,	Recorded on	19	days
Wind,	Mean Velocity in Miles per hour	18	
,,	Maximum Velocity in Miles per hour on the 23rd, dir. W.	67	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0	0	0	0	10	3	32	13

Cloud, Mean Amount (overcast sky indicated by 10)	8

Ground Frost, on 1, 2, 4, 5, 13, 19, 28, and 29th. **Hoar Frost,** on 1st and 13th.

Snow on 3, 23, 24, 27, 28, and 29th. **Hail,** on 3, 27, and 29th.

Gales of Wind, on 22, 23, 24th. **Thunder and Lightning** on 24, 28, and 29th.

MARCH.

Barometer, Mean Reading	29.024	inches
,, Highest Reading recorded on the 14th	29.448	,,
,, Lowest Reading recorded on the 9th	28.302	,,
Dry Bulb Thermometer, Mean Temperature	37.2	degrees
Wet Bulb Thermometer, Mean Temperature	35.8	,,
Maximum Thermometer, Mean Temperature	42.2	,,
,, ,, Highest Temperature recorded on the 23rd	52.6	,,
Minimum Thermometer, Mean Temperature	31.5	,,
,, ,, Lowest Temperature recorded on the 20th	23.5	,,
Water Thermometer, Mean Temperature	37·6	,,
,, ,, Highest Temperature recorded on the 29th	43.6	,,
,, ,, Lowest Temperature recorded on the 5th	33.5	,,
Grass Minimum Thermometer, Mean Temperature	30.3	,,
Earth Thermometer, Mean Temperature 1ft.	38.0	,,
,, ,, ,, ,, 4ft.	40,1	,,
,, ,, ,, ,, 10ft.	42.7	,,
Humidity, Mean	87	%
,, Highest on the 24th	99	%
,, Lowest on the 13th	67	%
Rainfall, Total Fall	3.68	inches
,, Daily Average	0.12	,,
,, Greatest Fall on the 8th	0.71	,,
,, Recorded on	22	days
Sunshine, Total Duration	80.52	hours
,, Daily Average	2.59	,,
,, Highest on the 28th	9.45	,,
,, Recorded on	20	days
Wind, Mean Velocity in Miles per hour	16	
,, Maximum Velocity in Miles per hour on the 9th, dir. S.W.	65	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
5	3	2	12	13	7	12	8

Cloud, Mean Amount (overcast sky indicated by 10)	8

Snow on 1, 3, 4, 6, 7, 14, 15, 16, 17, 19, 20, and 21st.

Gales of Wind on 8, 9, 10, and 31st. **Sleet** on 6th.

Ground Frost, on 1, 3, 4, 5, 11, 12, 13, 15, 18, 19, 20, 21, 22, 27, and 30th.

Hoar Frost, on 4, 12, and 18th.

APRIL.

Barometer,	Mean Reading	29.208	inches
,,	Highest Reading recorded on the 6th	29.748	,,
,,	Lowest Reading recorded on the 24th	28.612	,,
Dry Bulb Thermometer,	Mean Temperature	40.1	degrees
Wet Bulb Thermometer,	Mean Temperature	38.0	,,
Maximum Thermometer,	Mean Temperature	47.4	,,
,, ,,	Highest Temperature recorded on the 17th	57.9	,,
Minimum Thermometer,	Mean Temperature	34.0	,,
,, ,,	Lowest Temperature recorded on the 24th	22.5	,,
Water Thermometer,	Mean Temperature	43.1	,,
,, ,,	Highest Temperature recorded on the 30th	47.0	,,
,, ,,	Lowest Temperature recorded on the 25th	41.0	,,
Grass Minimum Thermometer,	Mean Temperature	31.8	,,
Earth Thermometer,	Mean Temperature 1ft.	43.1	,,
,, ,,	,, ,, 4ft.	42.0	,,
,, ,,	,, ,, 10ft.	42.6	,,
Humidity,	Mean	83	%
,,	Highest on the 30th	98	%
,,	Lowest on the 16th	60	%
Rainfall,	Total Fall	2.88	inches
,,	Daily Average	0.09	,,
,,	Greatest Fall on the 30th	1.16	,,
,,	Recorded on	19	days
Sunshine,	Total Duration	108.10	hours
,,	Daily Average	3.60	,,
,,	Highest on the 7th	10.66	,,
,,	Recorded on	25	days
Wind,	Mean Velocity in Miles per hour	16	
,,	Maximum Velocity in Miles per hour on the 16th, dir. N.E.	59	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
4	18	6	8	7	1	12	4

Cloud, Mean Amount (overcast sky indicated by 10) 8

Gale of Wind on 16th. **Hoar Frost,** on 7, 8, 13, and 14th.

Snow on 14, 23, 24, 25, and 26th.

Ground Frost, on 7, 8, 13, 14, 15, 20, 24, 25, and 27th.

MAY

Barometer,	Mean Reading	29.237	inches
,,	Highest Reading recorded on the 28th	29.926	,,
,,	Lowest Reading recorded on the 6th	28.560	,,
Dry Bulb Thermometer,	Mean Temperature	52.0	degrees
Wet Bulb Thermometer,	Mean Temperature	49.0	,,
Maximum Thermometer,	Mean Temperature	59.9	,,
,, ,,	Highest Temperature recorded on the 27th	71.0	,,
Minimum Thermometer,	Mean Temperature	44.3	,,
,, ,,	Lowest Temperature recorded on the 22nd	36.5	,,
Water Thermometer,	Mean Temperature	51.3	,,
,, ,,	Highest Temperature recorded on the 8th	55.2	,,
,, ,,	Lowest Temperature recorded on the 1st	44.9	,,
Grass Minimum Thermometer,	Mean Temperature	43.4	,,
Earth Thermometer,	Mean Temperature 1ft.	54.2	,,
,, ,,	,, ,, 4ft.	47.2	,,
,, ,,	,, ,, 10ft.	44.2	,,
Humidity,	Mean	80	%
,,	Highest on the 26th	99	%
,,	Lowest on the 24th	58	%
Rainfall,	Total Fall	3.92	inches
,,	Daily Average	0.13	,,
,,	Greatest Fall on the 3rd	0.58	,,
,,	Recorded on	18	days
Sunshine,	Total Duration	180.16	hours
,,	Daily Average	5.81	,,
,,	Highest on the 27th	14.60	,,
,,	Recorded on	29	days

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	2	2	8	17	10	19	3

Wind,	Mean Velocity in Miles per hour	11
,,	Maximum Velocity in Miles per hour on the 8th and 30th, dir. S. and E.	39
Cloud,	Mean Amount (overcast sky indicated by 10)	6

Thunder and Lightning, on 3, 4, 6, 13, and 22nd. **Hail,** on 22nd.

Dew, on 2, 11, 16, 19, 20, 24, 27, 28, 29, and 31st.

JUNE.

Barometer,	Mean Reading	29.375	inches
,,	Highest Reading recorded on the 27th	29.746	,,
,,	Lowest Reading recorded on the 13th	28.810	,,
Dry Bulb Thermometer,	Mean Temperature	55.9	degrees
Wet Bulb Thermometer,	Mean Temperature	52.5	,,
Maximum Thermometer,	Mean Temperature	64.1	,,
,, ,,	Highest Temperature recorded on the 28th	78.2	,,
Minimum Thermometer,	Mean Temperature	46.4	,,
,, ,,	Lowest Temperature recorded on the 6th	39.9	,,
Water Thermometer,	Mean Temperature	53.2	,,
,, ,,	Highest Temperature recorded on the 25th	58.3	,,
,, ,,	Lowest Temperature recorded on the 6th	49.0	,,
Grass Minimum Thermometer,	Mean Temperature	43.9	,,
Earth Thermometer,	Mean Temperature 1ft.	58.9	,,
,, ,,	,, ,, 4ft.	52.3	,,
,, ,,	,, ,, 10ft.	47.4	,,
Humidity,	Mean	79	%
,,	Highest on the 9th and 11th	99	%
,,	Lowest on the 30th	48	%
Rainfall,	Total Fall	2.27	inches
,,	Daily Average	0.08	,,
,,	Greatest Fall on the 13th	0.68	,,
,,	Recorded on	14	days
Sunshine,	Total Duration	183.60	hours
,,	Daily Average	6.12	,,
,,	Highest on the 30th	14.67	,,
,,	Recorded on	28	days
Wind,	Mean Velocity in Miles per hour	11	
,,	Maximum Velocity in Miles per hour on the 6th, dir. N.	46	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2	5	6	9	9	8	17	4

Cloud, Mean Amount (overcast sky indicated by 10) 6

Thunderstorms, on 1, 2, and 3rd.

Dew, on 3, 4, 5, 7, 20, 23, 24, 26, 28, and 30th.

JULY.

Barometer, Mean Reading	29.286	inches
,, Highest Reading recorded on the 29th	29.758	,,
,, Lowest Reading recorded on the 17th	28.566	,,
Dry Bulb Thermometer, Mean Temperature	57.9	degrees
Wet Bulb Thermometer, Mean Temperature	54.7	,,
Maximum Thermometer, Mean Temperature	66.1	,,
,, ,, Highest Temperature recorded on the 2nd	82.8	,,
Minimum Thermometer, Mean Temperature	50.2	,,
,, ,, Lowest Temperature recorded on the 8th	42.5	,,
Water Thermometer, Mean Temperature	54.7	,,
,, ,, Highest Temperature recorded on the 2nd	56.9	,,
,, ,, Lowest Temperature recorded on the 3rd	47.2	,,
Grass Minimum Thermometer, Mean Temperature	47.2	,,
Earth Thermometer, Mean Temperature 1ft.	61.4	,,
,, ,, ,, ,, 4ft.	55.5	,,
,, ,, ,, ,, 10ft.	50.3	,,
Humidity, Mean	81	%
,, Highest on the 17th	100	%
,, Lowest on the 1st	42	%
Rainfall, Total Fall	6.01	inches
,, Daily Average	0.19	,,
,, Greatest Fall on the 16th	1.09	,,
,, Recorded on	17	days
Sunshine, Total Duration	154.9	hours
,, Daily Average	5.0	,,
,, Highest on the 1st	13.7	,,
,, Recorded on	28	days
Wind, Mean Velocity in Miles per hour	7	
,, Maximum Velocity in Miles per hour on the 10th, dir. W.S.W.	36	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
3	1	0	11	9	3	29	6

Cloud, Mean Amount (overcast sky indicated by 10) 7

Thunderstorm, on the 4th. **Dew,** on 1, 2, 3, 20, 21, 22, and 29th.

AUGUST.

Barometer,	Mean Reading	29.258	inches
,,	Highest Reading recorded on the 2nd	29.782	,,
,,	Lowest Reading recorded on the 28th	28.614	,,
Dry Bulb Thermometer,	Mean Temperature	55.3	degrees
Wet Bulb Thermometer,	Mean Temperature	52.7	,,
Maximum Thermometer,	Mean Temperature	62.0	,,
,, ,,	Highest Temperature recorded on the 2nd	74.3	,,
Minimum Thermometer,	Mean Temperature	48.8	,,
,, ,,	Lowest Temperature recorded on the 12th	41.0	,,
Water Thermometer,	Mean Temperature	53.2	,,
,, ,,	Highest Temperature recorded on the 8th	56.0	,,
,, ,,	Lowest Temperature recorded on the 27th and 29th	51.0	,,
Grass Minimum Thermometer,	Mean Temperature	45.5	,,
Earth Thermometer,	Mean Temperature 1ft.	59.4	,,
,, ,,	,, ,, 4ft.	56.5	,,
,, ,,	,, ,, 10ft.	52.3	,,
Humidity,	Mean	83	%
,,	Highest on the 31st	100	%
,,	Lowest on the 16th	52	%
Rainfall,	Total Fall	4.55	inches
,,	Daily Average	0.15	,,
,,	Greatest Fall on the 27th	0.99	,,
,,	Recorded on	19	days
Sunshine,	Total Duration	143.0	hours
,,	Daily Average	4.6	,,
,,	Highest on the 3rd	12.3	,,
,,	Recorded on	27	days
Wind,	Mean Velocity in Miles per hour	10	
,,	Maximum Velocity in Miles per hour on the 29th, dir. W.	48	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2	6	1	9	4	8	24	8

Cloud,	Mean Amount (overcast sky indicated by 10)	7

Dew, on 1, 3, 14, and 17th. **Fog,** on 7th.

Thunderstorm, on 28th and 29th. **Thunder,** on 27th.

SEPTEMBER.

Barometer,	Mean Reading	29.140	inches
,,	Highest Reading recorded on the 5th	29.422	,,
,,	Lowest Reading recorded on the 1st	28.379	,,

Dry Bulb Thermometer,	Mean Temperature	53.3	degrees

Wet Bulb Thermometer,	Mean Temperature	51.6	,,

Maximum Thermometer,	Mean Temperature	59.2	,,
,, ,,	Highest Temperature recorded on the 30th	73.9	,,

Minimum Thermometer,	Mean Temperature	46.8	,,
,, ,,	Lowest Temperature recorded on the 12th	36.0	,,

Water Thermometer,	Mean Temperature	51.2	,,
,, ,,	Highest Temperature recorded on the 21st	52.3	,,
,, ,,	Lowest Temperature recorded on the 13th	49.0	,,

Grass Minimum Thermometer,	Mean Temperature	42.9	,,

Earth Thermometer,	Mean Temperature 1ft.	54.7	,,
,, ,,	,, ,, 4ft.	53.9	,,
,, ,,	,, ,, 10ft.	52.7	,,

Humidity,	Mean	89	%
,,	Highest on the 28th	100	%
,,	Lowest on the 12th	71	%

Rainfall,	Total Fall	6.12	inches
,,	Daily Average	0.20	,,
,,	Greatest Fall on the 9th	0.75	,,
,,	Recorded on	22	days

Sunshine,	Total Duration	84.8	hours
,,	Daily Average	2.8	,,
,,	Highest on the 12th	10.3	,,
,,	Recorded on	24	days

Wind,	Mean Velocity in Miles per hour	9
,,	Maximum Velocity in Miles per hour on the 9th, dir. S.	41

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2	2	5	1	28	13	4	5

Cloud, Mean Amount (overcast sky indicated by 10)	6.9

Dew, on 3, 22, and 24th. **Fog,** on 20, 21, and 22th. **Thunder,** heard on 24th.

Hail, on 10th and 11th. **Ground Frost,** on 12th.

Clear Sky, on 1 occasion. **Overcast Sky,** on 13 occasions.

OCTOBER.

Barometer,	Mean Reading	29.332	inches
,,	Highest Reading recorded on the 22nd	29.758	,,
,,	Lowest Reading recorded on the 10th	29.136	,,
Dry Bulb Thermometer,	Mean Temperature	52.5	degrees
Wet Bulb Thermometer,	Mean Temperature	50.7	,,
Maximum Thermometer,	Mean Temperature	58.5	,,
,, ,,	Highest Temperature recorded on the 3rd	75.0	,,
Minimum Thermometer,	Mean Temperature	46.4	,,
,, ,,	Lowest Temperature recorded on the 24th and 25th	32.9	,,
Water Thermometer,	Mean Temperature	51.3	,,
,, ,,	Highest Temperature recorded on the 2nd	54.8	,,
,, ,,	Lowest Temperature recorded on the 25th	44.1	,,
Grass Minimum Thermometer,	Mean Temperature	42.1	,,
Earth Thermometer,	Mean Temperature 1ft.	53.5	,,
,, ,,	,, ,, 4ft.	53.7	,,
,, ,,	,, ,, 10ft.	52.4	,,
Humidity,	Mean	88	%
,,	Highest on the 4th	100	%
,,	Lowest on the 16th	66	%
Rainfall,	Total Fall	2.26	inches
,,	Daily Average	0.07	,,
,,	Greatest Fall on the 19th	0.40	,,
,,	Recorded on	12	days
Sunshine,	Total Duration	100.5	hours
,,	Daily Average	3.2	,,
,,	Highest on the 3rd	9.2	,,
,,	Recorded on	24	days
Wind,	Mean Velocity in Miles per hour	10	
,,	Maximum Velocity in Miles per hour on the 26th, dir. N.E.	38	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
2	3	1	20	29	4	0	1

Cloud, Mean Amount (overcast sky indicated by 10) 6.3

Dew, on 1, 2, 3, 4, 5, 12, 13, 15, and 18th. **Fog,** on 3, 4, 5, 8, and 28th.

Thunderstorm, on 31st.

Ground Frost, on 25th and 26th. **Hoar Frost,** on on 25th and 28th.

Clear Sky, on 5 occasions. **Overcast Sky,** on 11 occasions. **Calm,** on 4th.

NOVEMBER.

Barometer,	Mean Reading	29.211	inches
,,	Highest Reading recorded on the 30th	29.642	,,
,,	Lowest Reading recorded on the 22nd	28.506	,,
Dry Bulb Thermometer,	Mean Temperature	43.6	degrees
Wet Bulb Thermometer,	Mean Temperature	42.4	,,
Maximum Thermometer,	Mean Temperature	48.5	,,
,, ,,	Highest Temperature recorded on the 2nd	56.9	,,
Minimum Thermometer,	Mean Temperature	38.1	,,
,, ,,	Lowest Temperature recorded on the 10th	28.0	,,
Water Thermometer,	Mean Temperature	45.5	,,
,, ,,	Highest Temperature recorded on the 1st	51.7	,,
,, ,,	Lowest Temperature recorded on the 10th	37.6	,,
Grass Minimum Thermometer,	Mean Temperature	33.8	,,
Earth Thermometer,	Mean Temperature 1ft.	45.1	,,
,, ,,	,, ,, 4ft.	48.9	,,
,, ,,	,, ,, 10ft.	51.1	,,
Humidity,	Mean	90	%
,,	Highest on the 11, 24, and 30th	99	%
,,	Lowest on the 8th	75	%
Rainfall,	Total Fall	4.59	inches
,,	Daily Average	0.15	,,
,,	Greatest Fall on the 21st	1.69	,,
,,	Recorded on	16	days
Sunshine,	Total Duration	40.1	hours
,,	Daily Average	1.3	,,
,,	Highest on the 8th	6.6	,,
,,	Recorded on	17	days
Wind,	Mean Velocity in Miles per hour	10	
,,	Maximum Velocity in Miles per hour on 23rd, dir. W.N.W.	60	

Summary of Observations of Direction :—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	1	0	9	26	6	14	3

Cloud,	Mean Amount (overcast sky indicated by 10)	7.5

Dew, on 2nd and 3rd. **Fog,** on 30th. **Hail,** on 25th.

Ground Frost, on 8, 9, 10, 15, 20, & 30th. **Hoar Frost,** on 5, 8, 9, 10, 20, 29, & 30th

Clear Sky, on 1 occasion. **Overcast Sky,** on 15 occasions.

No days of calm registered.

DECEMBER.

Barometer,	Mean Reading	29.055	inches
,,	Highest Reading recorded on the 1st	29.626	,,
,,	Lowest Reading recorded on the 10th	27.994	,,
Dry Bulb Thermometer,	Mean Temperature	37.9	degrees
Wet Bulb Thermometer,	Mean Temperature	37.1	,,
Maximum Thermometer,	Mean Temperature	41.6	,,
,, ,,	Highest Temperature recorded on the 8th	49.3	,,
Minimum Thermometer,	Mean Temperature	32.6	,,
,, ,,	Lowest Temperature recorded on the 30th	14.5	,,
Water Thermometer,	Mean Temperature	41.6	,,
,, ,,	Highest Temperature recorded on the 1st	44.0	,,
,, ,,	Lowest Temperature recorded on the 31st	34.6	,,
Grass Minimum Thermometer,	Mean Temperature	29.8	,,
Earth Thermometer,	Mean Temperature 1ft.	40.5	,,
,, ,,	,, ,, 4ft.	45.1	,,
,, ,,	,, ,, 10ft.	48.7	,,
Humidity,	Mean	92	%
,,	Highest on the 1, 3, 16, 23, and 31st	99	%
,,	Lowest on the 29th	72	%
Rainfall,	Total Fall	3.87	inches
,,	Daily Average	0.12	,,
,,	Greatest Fall on the 9th	0.57	,,
,,	Recorded on	23	days
Sunshine,	Total Duration	24.9	hours
,,	Daily Average	0.8	,,
,,	Highest on the 11th	4.0	,,
,,	Recorded on	13	days
Wind,	Mean Velocity in Miles per hour	10	
,,	Maximum Velocity in Miles per hour on 29th, dir. S.E.	50	

Summary of Observations of Direction:—

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
0	0	0	16	35	5	3	3

Cloud, Mean Amount (overcast sky indicated by 10) 8.3

Hail, on 10th and 11th. **Snow,** on 27th and 29th. **Ground Frost,** on 15 days.

Hoar Frost, on 25th. **Fog,** 1, 2, 3, and 7th.

Clear Sky, on 1 occasion. **Overcast Sky,** on 19 occasions. No days of calm registered

Wind Force, 4 to 7 on 17 occasions.

MEAN METEOROLOGICAL READINGS FOR 1907 AND 1908.

MONTH.	Barometer.		Thermometers.																Humidity.		Sunshine. (hours).		Rain (inches).		Wind Velocity		Wind Direction 1908.							
			Maximum.		Minimum.		Mean.		Earth.						Water.																		
									1 Foot.		4 Feet.		10 Feet.																				
MONTH.	1908 ins.	1907 ins.	1908	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908 %	1907 %	1908	1907	1908	1907	1908	1907	N.	N. E.	E.	S.E.	S.	S.W.	W.	N. W
January …	29.309	29.465	40.3	42.1	29.5	32.7	34.9	37.4	35.1	37.2	39.9	41.3	45.0	45.5	34.0	…	94	89	38.4	34.12	4.07	2.09	18	…	1	6	4	…	27	13	7	4
February	29.254	29.164	42.8	38.6	34.0	29.7	38.4	34.1	39.1	35.3	40.3	39.0	43.1	44.0	37.5	39.9	93	85	37.4	65.44	4.60	2.56	18	14	…	…	…	…	10	3	32	13
March ……	29.024	29.303	42.2	46.7	31.5	34.8	36.8	40.7	38.0	40.2	40.1	40.3	42.7	42.3	37.6	40.1	87	85	80.5	146.84	3.68	4.90	16	13	5	3	2	12	13	7	12	8
April ……	29.208	28.972	47.4	48.4	34.0	35.7	40.7	42.0	43.1	44.8	42.0	43.4	42.6	43.4	43.1	42.5	83	84	108.1	106.11	2.88	2.88	16	14	4	18	6	8	7	1	12	4
May ……	29.237	29.076	59.9	53.0	44.3	40.5	52.1	46.7	54.2	49.3	47.2	46.5	44.2	44.4	51.3	45.7	80	81	180.2	94.27	3.92	5.18	11	12	1	2	2	8	17	10	19	3
June ……	29.375	28.998	64.1	55.5	46.4	45.0	55.2	50.2	58.9	53.7	52.3	50.4	47.4	46.9	53.2	51.0	79	87	183.6	94.33	2.27	10.03	11	11	2	5	6	9	9	8	17	4
July ……	29.286	29.224	66.1	60.5	50.2	48.0	58.1	54.2	61.4	57.7	55.5	53.4	50.3	49.4	54.7	54.7	81	84	154.9	156.43	6.01	4.49	7	7	3	1	…	11	9	3	29	6
August ……	29.258	29.209	62.0	59.2	48.8	47.1	55.4	53.1	59.4	57.2	56.5	55.0	52.3	51.3	53.2	54.9	83	86	143.0	120.86	4.55	6.19	10	10	2	6	1	9	4	8	24	8
September	29.140	29.327	59.2	61.3	46.8	46.1	53.0	53.7	54.7	55.9	53.9	54.6	52.7	52.1	51.2	53.1	89	82	84.8	118.50	6.12	1.64	9	7	2	2	5	1	28	13	4	5
October……	29.332	28.828	58.5	51.5	46.4	41.5	52.4	46.5	53.5	49.4	53.7	52.0	52.4	51.8	51.3	47.6	88	92	100.5	68.48	2.26	4.53	10	10	2	3	1	20	29	4	…	1
November	29.211	29.154	48.5	45.7	38.1	36.9	43.3	41.3	45.1	43.9	48.9	47.7	51.1	50.4	45.5	42.6	90	90	40.1	43.17	4.59	4.06	10	12	1	1	…	9	26	6	14	3
December	29.055	28.905	41.6	41.0	32.6	34 1	37.1	37.5	40.5	38.8	45.1	43.3	48.7	48.0	41.6	38.0	92	91	24.9	17.08	3.87	5.86	10	16	…	…	…	16	35	5	3	3
Totals …	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1176.4	1065.6	48.82	54.41	…	…	23	47	27	103	214	81	173	62
Mean …	29.224	29.135	52.7	50.3	40.2	39.3	46.5	44.8	48.6	46.9	47.9	47.2	47.7	47.5	46.2	46.4	87	86	98.0	88.8	4.07	4.53	12	11	1.9	3.9	2.3	8.6	17.8	6.8	14 4	5.2

Population.

Estimated for the middle of the year at 42,266, is based on the natural increment as indicated from one census period to another.

	Ward Population.
CENTRAL	7,730
WEST-CENTRAL	4,067
NORTH-EAST	10,179
NORTH-WEST	5,682
SOUTH-EAST	7,068
SOUTH-WEST	7,540
	42,266

Births.

There were 444 Males and 451 Females born and registered during the year, making a total of 895. This gives a birth-rate of 21.17 per 1,000 of the population, and an increase of 0.25 per 1,000 over the previous year.

The average for the last 27 years is 27.48 per 1,000.

August gave the highest rate with 30.09 per 1,000, and December the lowest, with 14.48 per 1,000.

The highest annual rate was in 1883, when it was 34.39 per 1,000 ; and the lowest was 1906, when it was 19.70 per 1,000.

ILLEGITIMATE BIRTHS.

There were 18 children born out of wedlock, at the rate of 2.01 per cent. of the total births.

The percentage of Midwifery cases attended by medical men was 47.71, being an increase on the previous year of 2.74 per cent.

TABLE I.

	NUMBER OF BIRTHS.			Rate per 1,000 Estimated Population.
	Males.	Females.	Total.	
JANUARY	48	48	96	27.25
FEBRUARY	48	46	94	26.68
MARCH	33	32	65	18.45
APRIL	35	32	67	19.02
MAY	35	35	70	19.87
JUNE	36	35	71	20.15
JULY	45	38	83	23.56
AUGUST	52	54	106	30.09
SEPTEMBER	28	32	60	17.03
OCTOBER	34	36	70	19.87
NOVEMBER	27	35	62	17.60
DECEMBER	23	28	51	14.48
	444	451	895	21.17

TABLE II.

ILLEGITIMATE BIRTHS.

	Number.	Percentage of Births.
JANUARY	2	2.08
FEBRUARY	1	1.06
MARCH	1	1.54
APRIL	1	1.49
MAY	4	5.71
JUNE	2	2.82
JULY	0	0.00
AUGUST	1	0.94
SEPTEMBER	2	3.33
OCTOBER	0	0.00
NOVEMBER	3	4.84
DECEMBER	1	1.96
	18	2.01

ILLEGITIMATE BIRTHS.

Since 1901 the average annual number is 25. Last year showed the lowest for that period, viz. 18.

The rate per cent of births average 2.90, the highest was in 1904, 4.02.

The Infantile death rate of illegitimates average for the past four years 260, and the same rate for last year was 333. Whilst our rate for the whole of the deaths was 120, it would be interesting to follow the careers of these children to see under what conditions they live and die, and if there are any special circumstances influencing this high death rate, with the aid of our Health Visitor I shall probably have some information for my next annual report.

Table showing number of Illegitimate Births, etc., during the past 8 years.

Year.	Number of Births.	Rate % of Total Births.	No. of Deaths under 1 year.	Death-rate per 1,000 Births.
1901	21	2.45	...	...
1902	22	2.47	...	...
1903	23	2.44	...	...
1904	33	4.02	...	...
1905	25	3.06	8	320
1906	28	3.45	6	214
1907	29	3.31	5	172
1908	18	2.01	6	333
Average	25	2.90	6	260

TABLE III. gives the Estimated Populations, Number of Births, and the Birth-rates for for the Darwen Sanitary District since 1882 inclusive.

TABLE III.

Year.	Estimated Population at the Middle of Each Year.	Total Births	Birth-rate.
1882	30.295	987	32.57
1883	30,733	1057	34.39
1884	31,360	978	31.18
1885	31,720	1015	31.99
1886	32,185	965	29.98
1887	32,491	1000	30.77
1888	33,500	994	29.67
1889	34,500	972	28.17
1890	36,500	1075	29.45
1891	34,192	1115	32.60
1892	35,000	1057	30.20
1893	35,500	955	26.90
1894	36,000	1039	28.86
1895	36,000	1128	31.33
1896	36,652	1032	28.15
1897	37.500	1114	29.70
1898	37,500	1131	30.16
1899	37,900	1062	28.02
1900	38,600	980	25.38
1901	38,212	858	22.45
1902	38,712	891	23.01
1903	39,114	941	24.05
1904	39,516	820	20.75
1905	39,918	818	20.49
1906	41,164	811	19.70
1907	41,864	876	20.92
1908	42,266	895	21.17

Average for the last 27 years—27.48.

TABLE IV.

BIRTHS IN WARDS.—1908

	Central.		West-Central,		North-East.		North-West.		South-East.		South-West.		TOTAL.	
	M	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January	10	6	4	3	13	15	4	7	11	6	6	11	48	48
February	5	7	4	1	14	11	5	5	9	13	11	9	48	46
March	7	6	6	4	7	7	7	5	5	7	1	3	33	32
April	4	3	6	1	12	8	5	8	5	7	3	5	35	32
May	4	7	3	3	12	6	1	5	8	7	7	7	35	35
June	7	5	4	1	10	11	3	7	5	7	7	4	36	35
July	6	7	9	3	8	4	6	11	9	12	7	1	45	38
August	13	3	4	8	12	17	6	9	10	8	7	9	52	54
September	3	7	2	2	9	6	3	5	3	5	8	7	28	32
October	5	6	2	2	10	12	5	7	9	4	3	5	34	36
November	5	2	2	4	5	11	7	5	4	5	4	8	27	35
December	3	6	3	3	8	5	4	3	1	5	4	6	23	28
	72	65	49	35	120	113	56	77	79	86	68	75	444	451
TOTAL	137		84		233		133		165		143		895	
Population	7,730		4,067		10,179		5,682		7,068		7,540		42,266	
Birth-rate	17.72		20.65		22.89		23.41		23.34		18.97		21.17	

TABLE V.

RETURN OF VACCINATION FOR DARWEN—1908.

MONTHS.	Sucessful Vaccination.	Died Unvaccinated.	Insusceptible.	Exempted.	Postponed.	Removed out of Town and Traced.	Removed and Cannot Trace	Unaccounted for
January	54	11	0	26	1	0	2	2
February	62	5	0	24	0	0	2	1
March	34	5	1	20	0	0	3	2
April	37	5	0	23	0	0	1	1
May	37	9	0	22	0	0	1	1
June	43	7	1	16	0	1	2	2
July	42	7	0	27	1	0	2	4
August	65	5	1	23	2	0	4	5
September	27	8	0	16	0	0	3	6
October	25	8	0	24	0	0	1	12
November	18	4	0	15	0	0	1	24
December	3	5	0	8	0	0	1	34
	447	79	3	244	4	1	23	94

Successfully Vaccinated for Quarter,	January, February, March	150
,, ,, ,, ,,	April, May, June	117
,, ,, ,, ,,	July, August, September	134
,, ,, ,, ,,	October, November, December	46
		447

(Signed) A. H. E. STEPHENSON,

Vaccination Officer, Blackburn Union.

TABLE VI.

The following Table shows the number of Births and the percentage of these attended by Medical Men during the last eleven years—

Years.	No. of Births.	Attended by Medical Men.	
		Number.	Percentage.
1898	1131	815	72.06
1899	1062	653	61.48
1900	980	540	55.10
1901	858	420	48.95
1902	891	401	45.00
1903	941	461	48.99
1904	820	421	51.34
1905	818	411	50.24
1906	811	376	46.36
1907	876	394	44.97
1908	895	427	47.71

Marriages.

The number of Marriages solemnized in Darwen during the year ending December 31st, 1908, was as follows—

Church of England	159
Nonconformist Places of Worship	159
Total	318

This means that 636 people were united in the bonds of wedlock, and is at the rate of 15.05 per 1,000 of the population, as compared with 16.76 per 1,000 in the previous year.

The following Table will give the rates since the year 1882 inclusive—

TABLE VII.

Year.	Births.		Deaths.		Marriages.	
	Number.	Rate.	Number.	Rate.	Number.	Rate.
1882	987	32.57	650	21.45	490	16.0
1883	1057	34.39	518	16.85	478	15.5
1884	978	31.18	595	18.97	444	14.1
1885	1015	31.99	489	15.41	480	15.1
1886	965	29.98	641	19.91	540	16.7
1887	1000	30.77	716	22.03	558	16.6
1888	994	29.67	600	17.90	616	18.2
1889	972	28.17	544	15.76	570	16.5
1890	1075	29.45	673	18.43	586	16.0
1891	1115	32.60	660	19.30	648	18.7
1892	1057	30.20	641	18.31	670	19.1
1893	955	26.90	677	19.07	592	16.7
1894	1039	28.86	542	15.05	640	17.7
1895	1128	31.33	640	17.77	676	18.7
1896	1032	28.15	627	17.10	696	18.9
1897	1114	29.70	651	17.36	688	18.3
1898	1131	30.16	632	16.85	700	18.6
1899	1062	28.02	647	17.07	666	17.5
1900	980	25.38	789	20.44	532	13.7
1901	858	22.45	620	16.22	576	15.0
1902	891	23.01	569	14.69	606	15.6
1903	941	24.05	501	12.80	612	15.6
1904	820	20.75	606	15.33	606	15.3
1905	818	20.49	562	14.07	578	14.4
1906	811	19.70	540	13.11	744	18.0
1907	876	20.92	527	12.58	702	16.7
1908	895	21.17	550	13.01	636	15.1
Average 27 years	988	27.48	608	16.92	605	16.6

Notification of Infectious Diseases.

The following were reported to me during the year—

Small Pox	0
Diphtheria	14
Erysipelas	14
Scarlet Fever	22
Typhoid Fever	23
Puerperal Fever	4
	77

CASES REPORTED IN—

	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Diphtheria	2	2	10	186	197	141	21	34	29	18	22	14
Croup	3	6	2	4	10	3	—	—	—	—	—	—
Erysipeles	56	35	31	27	34	15	17	35	49	17	14	14
Scarlet Fever	101	93	400	276	231	137	30	689	456	50	26	22
Typhoid Fever	41	43	55	33	21	34	15	20	28	17	21	23
Continued Fever	1	3	—	1	3	1	—	—	—	—	—	—
Puerperal Fever	12	10	7	4	1	3	2	5	5	4	0	4
Small Pox	—	—	—	—	—	3	27	2	—	—	1	0
Chicken Pox	—	—	—	—	—	—	32	—	—	—	—	0
	216	192	505	531	497	337	144	785	567	106	84	77

INFECTIOUS DISEASES NOTIFIED.—The total number of these cases reported has been diminishing since 1904, when the number was 785.

DIPHTHERIA AND CROUP.—Fourteen cases were notified as compared with twenty-two in the previous year, showing a decrease of eight.

There was a further diminution in the number of these cases, with that we must rest content. With much greater watchfulness in the schools, now that Miss Glass has been added to the Staff, I hope the necessity for Hospital accommodation will not be realized.

This supervision is exercised in the following way :—When a child is reported absent from school on the suspicion of infection, Miss Glass visits the home, makes the necessary inquiries, and sees the scholar. If she sees any signs of infection she advises the parent to send for a doctor, and in this way her suspicions are confirmed or otherwise, but at any rate we shall have earlier notification than we formerly had.

ERYSIPELAS.—Fourteen cases were reported as compared with fourteen in the previous year.

SCARLET FEVER.—The number of cases notified were as follows—12 males and 10 females, total 22, as compared with 26 in the previous year.

Scarlet Fever has again declined. It is now some years since we had an epidemic year, viz. in 1904. There were 689 cases notified, the epidemic commenced rather late in the year, to be precise, in the second half. It could not expend itself, and was consequently carried over into March, 1905, and then rapidly exhausted itself, probably from the want of material. In the latter year there were 456 cases, so that during the two years we had the alarming number of 1145, cases reported. It is evident that during the interval since that period a large number of children have come into the world of Darwen, and these are rapidly approaching the age incidental to Scarlet Fever. We have this knowledge and it will be our duty to watch the schools, the main sources of infection, very carefully. If another epidemic appears, then our methods will be at fault, at any rate it will not be for want of attention.

The distribution was as follows :—

	Central.	West-Central.	North-East.	North-West.	South-East.	South-West.
Population	7730	4067	10,179	5682	7068	7540
Number	4	2	6	9	1	0
Deaths..................	0	0	2	0	0	0
Death-Rate per 1,000...........	0.0	0.0	0.20	0.0	0.0	0.0

Table showing susceptible period :—

Under 1 year.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	Total.
0.	10	9	0	3	22

TYPHOID FEVER.—There were 23 cases notified as against 21 in the preceeding year. There is still the same suspicion haunting the cause of this complaint, viz., mussels. A number of the people affected had eaten this shell fish, in one form or another. As the information of the source of the mussels was too late to be of use, I could not trace the infection to any particular lot of fish. The layings, however, on our coast are unmistakably open to suspicious pollution, and some warning is needed to draw the attention of consumers to the danger.

Deaths.

Return of the number of Infectious Diseases reported to the Medical Officer of Health during the year 1908, and the deaths from the diseases notified :—

	Cases Notified.	Deaths Registered.
Scarlet Fever	22	2
Diphtheria and Membraneous Croup	14	2
Typhoid Fever	23	8
Puerperal Fever	4	1
Erysipelas	14	0
Small Pox	0	0
	77	13

SCARLET FEVER.—Notified twenty-two; deaths two; giving a death-rate of 9.09 per cent. of those attacked.

DIPHTHERIA.—Notified, fourteen; deaths, two; giving a death-rate of 14.3 per cent. of those attacked.

TYPHOID FEVER.—Twenty-three notified, with eight deaths, giving a death-rate of 34.8 per cent of those attacked.

PUERPERAL FEVER.—Four notified, with one death, giving a death-rate of 25.0 per cent. of those attacked.

ERYSIPELAS.—Fourteen notified, deaths none.

INQUESTS.—The Coroner held thirty-eight enquiries, or 7 more than in the previous year.

CONSUMPTION.—Twenty-five deaths occurred, giving a rate of 0.59 per 1,000 of the population.

ZYMOTIC DEATH RATE.—0.76 per 1,000 of population.

TABLE VIII.

Population as per Census enumerated	Estimated Population to middle of year	Births.	Deaths from all causes.	Deaths under 1 year	Deaths 1 to 5	Deaths 5 to 15	Deaths 15 to 25	Deaths 25 to 60	Deaths 60 years and upwards
	1886 32,185	965	641	187	154	28	29	135	108
	1887 32,491	1000	716	188	139	60	35	174	120
1881	1888 33,500	994	600	154	113	32	33	145	118
29,747	1889 34,500	972	544	149	90	16	31	161	107
	1890 36,500	1075	673	184	68	28	30	196	167
	1891 34,192	1115	660	168	115	32	26	193	126
	1892 35,000	1057	641	177	85	35	64	175	105
	1893 35,500	955	677	184	101	40	44	167	141
	1894 36,000	1039	542	130	67	17	46	174	108
1891	1895 36,000	1128	640	179	92	16	43	186	124
34,192	1896 36,652	1032	627	187	102	17	26	163	132
	1897 37,500	1114	651	182	87	19	33	195	135
	1898 37,500	1131	632	199	79	22	27	174	131
	1899 37,900	1062	647	200	90	23	26	189	119
	1900 38,600	980	789	188	144	45	33	196	183
1901	1901 38,211	858	620	145	100	33	20	166	156
38,212	1902 38,712	891	569	135	58	32	27	174	143
	1903 39,114	941	501	117	51	17	18	151	147
	1904 39,516	820	606	123	110	35	29	160	149
	1905 39,918	818	562	118	61	31	30	25 to 65 216	65 and upwards. 106
	1906 41,164	811	540	111	65	19	18	202	125
	1907 41,864	876	527	104	49	21	26	217	110
	1908 42,266	895	550	107	33	20	19	240	131

TABLE IX.

Death-rates per 1,000 of the Population in the various Wards of the Borough.

WARDS...	Central	West-Central	North-East	North-West	South-East.	South-West	Death Rate per Month
Population...	7730	4067	10,179	5682	7068	7540	
1908.							
January	12.41	8.85	14.14	12.67	11.88	11.14	12.20
February.........	13.97	20.65	16.50	16.89	16.97	12.73	15.89
March	3.10	8.85	14.14	14.78	10.18	15.91	11.35
April	12.41	14.75	12.96	19.00	6.79	14.32	13.06
May	13.97	8.85	5.89	16.89	11.88	9.54	10.78
June	15.52	8.85	10.61	14.78	6.79	11.14	11.35
July...............	7.76	8.85	10.61	6.33	10.18	9.54	9.08
August	7.76	11.80	8.25	14.78	10.18	11.14	10.22
September	9.31	11.80	10.61	16.89	5.09	9.55	10.22
October	7.76	11.80	14.14	2.11	10.18	19.10	11.35
November	13.97	17.70	14.14	12.67	8.49	11.14	12.78
December	23.28	26.55	29.47	35.90	27.16	25.47	27.82
Average...	11.77	13.28	13.46	15.31	11.32	13.39	13.01

DEATHS FROM CONSUMPTION.

Tables Mesenterica	2
Tubercular Meningitis..	5
Tubercular Peritonitis..	1
Tubercular Laryngitis..	1
Phthisis Pulmonalis..	25
Tubercular Disease of Spine	1
General Tuberculosis	4
	39

DEATHS OF PERSONS 65 YEARS AND UPWARDS.

Senile Decay	30
Bronchitis and Pneumonia	19
Heart Disease	18
Apoplexy	15
Injuries	2
Phthisis	0
All other causes	47
	131

TABLE X.—Bronchitis.

Deaths at the different age periods during the last sixteen years.

	Under 1 year.	1 to 5.	5 to 15	15 to 25	25 to 60	60 and upwards.	TOTAL.
1893	41	24	3	...	12	29	109
1894	27	20	...	...	7	17	71
1895	24	13	...	...	21	26	84
1896	36	28	...	...	10	20	94
1897	25	13	...	...	22	26	86
1898	22	12	...	...	10	21	65
1899	29	12	...	...	16	16	73
1900	18	7	...	...	20	36	81
1901	16	10	...	...	11	30	67
1902	19	8	1	...	7	22	57
1903	17	8	...	...	4	20	49
1904	8	10	...	...	11	19	48
					25 to 65	65 and upwards.	
1905	15	5	...	...	12	19	51
1906	16	5	...	...	11	23	55
1907	16	9	...	1	10	12	48
1908	8	7	...	...	9	18	42
Total...	337	191	4	1	193	354	1080

TABLE XI.—Pneumonia.

Deaths at the different age periods during the last sixteen years.

	Under 1 year.	1 to 5.	5 to 15.	15 to 25	25 to 60	60 and upwards	Total.
1893.........	8	8	1	1	24	8	50
1894.........	5	4	1	...	19	4	33
1895.........	9	4	1	1	15	4	34
1896.........	9	9	2	...	17	3	40
1897.........	14	12	2	2	31	10	71
1898.........	11	13	3	...	18	8	53
1899.........	12	14	2	...	21	8	57
1900.........	20	28	3	1	25	11	88
1901.........	19	14	1	...	15	11	60
1902.........	16	12	2	2	28	4	64
1903.........	8	8	1	...	18	6	41
1904.........	13	19	1	...	15	5	53
					25 to 65	65 and upwards	
1905.........	12	12	6	...	13	4	47
1906.........	11	19	5	5	20	6	66
1907.........	18	16	3	2	17	6	62
1908.........	4	4	...	2	12	1	23
	189	196	34	16	308	99	842

TABLE XII.—Phthisis.

Deaths at the different age periods during the last sixteen years.

	Under 1 year	1 to 5	5 to 15	15 to 25	25 to 60	60 and upwards	Total.
1893.........	...	...	...	...	35	4	39
1894.........	...	1	1	1	42	...	45
1895.........	...	...	...	...	34	4	38
1896.........	1	1	...	...	25	2	29
1897.........	...	...	...	...	26	1	27
1898.........	...	...	...	...	26	2	28
1899.........	...	...	1	2	26	2	31
1900.........	1	...	1	1	25	2	30
1901.........	...	...	1	2	23	3	29
1902.........	...	2	...	...	27	2	31
1903.........	...	...	1	1	18	2	22
1904.........	1	3	3	...	28	3	38
					25 to 65	65 and upwards	
1905.........	...	1	...	8	24	3	36
1906.........	...	...	1	2	16	...	19
1907.........	...	1	1	5	28	...	35
1908.........	...	...	3	3	19	...	25
	3	9	13	25	422	30	502

TABLE XIII.

TOWNS.	SMALL POX.		SCARLET FEVER.		DIPHTHERIA.	
	Number.	Rate per 1000	Number.	Rate per 1000	Number.	Rate per 1000
1. Hyde	...	...	164	5.00	12	0.37
2. Stockport	1	0.01	581	6.26	50	0.54
3. Macclesfield	...	...	55	1.59	39	1.13
4. Crewe	...	...	298	7.08	39	0.93
5. Chester	...	...	171	4.46	116	3.02
6. Birkenhead	4	0.04	457	4.12	153	1.38
7. Wallasey	1	0.02	258	4.81	73	1.36
8. Bootle	...	...	518	8.59	74	1.23
9. Liverpool	2	0.00	4343	6.17	1057	1.50
10. Waterloo-with-Seaforth	...	...	125	5.41	48	2.07
11. St. Helens	...	...	830	9.83	213	2.52
12. Widnes	...	...	80	2.80	12	0.42
13. Southport	...	...	106	2.20	35	0.73
14. Hindley	...	...	158	6.72	51	2.17
15. Ince-in-Makerfield	...	...	168	7.90	8	0.37
16. Wigan	...	...	222	2.69	37	0.45
17. Warrington	...	...	321	4.99	122	1.89
18. Leigh	...	...	144	3.60	77	1.92
19. Bolton	...	...	649	3.84	79	0.47
20. Farnworth	...	...	87	3.35	11	0.42
21. Bury	...	...	100	1.72	55	0.94
22. Heywood	...	...	12	0.47	12	0.47
23. Radcliffe	...	...	154	6.07	21	0.83
24. Eccles	...	...	190	5.52	33	0.96
25. Stretford	...	...	136	4.46	40	1.31
26. Swinton and Pendlebury	...	...	199	7.37	20	0.74
27. Gorton	...	...	135	5.08	26	0.98
28. Manchester	...	...	3084	5.08	673	1.11
29. Salford	...	...	1341	6.07	630	2.85
30. Ashton-under-Lyne	...	...	232	5.29	14	0.32
31. Stalybridge	...	...	110	3.97	10	0.36
32. Chadderton	...	...	55	2.21	15	0.60
33. Middleton	...	...	21	0.83	32	1.27
34. Oldham	...	...	609	4.43	89	0.65
35. Rochdale	...	...	157	1.89	84	1.01
36. Accrington	...	...	232	5.38	48	1.11
37. Bacup	...	...	82	3.64	23	1.02
38. Haslingden	...	...	47	2.53	25	1.35
39. Rawtenstall	...	...	28	0.90	12	0.38
40. Burnley	...	...	495	5.10	77	0.79
41. Colne	...	...	158	6.87	13	0.57
42. Nelson	...	...	196	5.97	34	1:04
43. Blackburn	...	...	610	4.72	101	0.77
44. Chorley	...	...	18	0.67	16	0.59
45. Preston	...	...	115	1.02	65	0.57
46. Blackpool	...	...	240	5.07	61	1.29
47. Fleetwood	...	...	60	4.96	2	0.16
48. Lancaster	...	...	363	9.00	24	0.59
49. Barrow-in-Furness	...	...	95	1.65	28	0.48
50. Darwen	...	...	22	0.58	14	0 37

TABLE XIII.

Number of Town	FEVERS.										Cholera.		Erysipelas	
	Typhus.		Typhoid.		Continued.		Relapsing.		Puerperal.					
	Number.	Rate. per 1000	Number.	Rate. per 1000	Number.	Rate. per 1000	Number.	Rate. per 1000	Number.	Rate. per 1000	Number.	Rate. per 1000	Number.	Rate. per 1000
1	...	...	19	0.58	...	...	...	...	2	0.06	...	...	31	0.94
2	...	...	50	0.54	...	...	...	...	8	0.09	...	...	59	0.63
3	...	...	11	0.32	...	...	...	...	...	...	...	...	11	0.32
4	...	...	4	0.09	...	...	...	...	5	0.12	...	...	19	0.45
5	...	...	24	0.63	...	...	...	...	2	0.05	...	...	24	0.63
6	1	0.01	63	0.57	3	0.03	...	...	8	0.07	...	...	97	0.87
7	2	0.04	32	0.60	...	...	...	...	3	0.06	...	...	32	0.60
8	1	0.01	29	0.48	...	...	...	...	7	0.11	...	...	34	0.56
9	18	0.02	404	0.57	8	0.01	...	...	51	0.07	...	...	847	1.20
10	...	...	14	0.61	...	...	...	...	1	0.04	...	...	16	0.69
11	...	...	90	1.06	...	...	...	...	11	0.13	...	...	84	0.99
12	...	...	44	1.54	...	...	...	...	...	...	...	...	17	0.59
13	...	...	19	0.39	...	...	...	...	1	0.02	...	...	16	0.33
14	...	...	19	0.88	1	0.04	...	...	5	0.21	...	...	21	0.89
15	...	...	25	1.17	...	...	...	...	2	0.09	...	...	28	1.33
16	...	...	103	1.25	...	...	...	...	12	0.14	...	...	71	0.86
17	...	...	31	0.48	...	...	1	0.02	12	0.18	...	...	42	0.65
18	...	...	24	0.60	...	...	...	...	3	0.07	...	...	33	0.82
19	3	0.02	190	1.13	1	0.00	...	...	10	0.06	...	...	85	0.50
20	...	...	51	1.97	...	...	...	...	3	0.11	...	...	11	0.42
21	...	...	15	0.26	2	0.03	...	...	9	0.15	...	...	27	0.46
22	...	...	7	0.25	...	...	...	...	5	0.19	...	...	13	0.51
23	...	...	26	1.02	...	...	...	...	3	0.12	...	...	27	1.06
24	...	...	15	0.44	...	...	...	...	...	...	...	...	8	0.23
25	...	...	11	0.36	...	...	...	...	2	0.06	...	...	16	0.52
26	...	...	34	1.26	1	0.04	...	...	1	0.04	...	...	29	1.07
27	...	...	26	0.98	...	...	...	...	11	0.41	...	...	25	0.94
28	...	...	423	0.69	3	0.00	...	...	103	0.17	...	...	368	0.61
29	...	...	181	0.82	6	0.03	...	...	27	0.12	...	...	130	0.59
30	...	...	31	0.71	...	...	...	...	1	0.02	...	...	19	0.43
31	...	...	14	0.56	3	0.11	...	...	1	0.03	...	...	11	0.39
32	...	...	12	0.48	...	...	...	...	...	...	...	...	9	0.36
33	...	...	9	0.35	...	...	...	...	1	0.04	...	...	19	0.75
34	...	...	39	0.28	...	...	...	...	21	0.15	...	...	71	0.52
35	...	...	22	0.26	1	0.01	...	...	5	0.06	...	...	56	0.67
36	...	...	22	0.51	...	...	...	...	6	0.14	...	...	24	0.56
37	...	...	4	0.18	...	...	...	...	3	0.13	...	...	20	0.88
38	1	0.05	13	0.70	...	...	...	...	...	...	...	...	11	0.59
39	...	...	10	0.32	...	...	...	...	7	0.22	...	...	25	0.80
40	...	...	70	0.72	...	...	...	...	6	0.06	...	...	106	1.09
41	...	...	10	0.43	...	...	...	...	1	0.04	...	...	16	0.70
42	...	...	9	0.27	...	...	...	...	3	0.09	...	...	21	0.63
43	...	...	86	0.66	...	...	...	...	12	0.09	...	...	82	0.63
44	...	...	10	0.37	...	...	...	...	1	0.04	...	...	9	0.33
45	...	...	144	1.27	5	0.04	...	...	5	0.04	...	...	58	0.51
46	...	...	68	1.44	...	...	...	...	3	0.06	...	...	19	0.40
47	...	...	21	1.74	...	...	...	...	...	...	...	...	4	0.33
48	...	...	19	0.46	...	...	...	...	1	0.02	...	...	20	0.49
49	...	...	33	0.57	...	...	...	...	3	0.05	...	...	49	0.85
50	...	...	23	0.60	...	...	...	...	4	0.10	...	...	15	0.39

TABLE XIV.

NOTIFICATION OF INFECTIOUS DISEASES IN EACH WARD, AND FOR EACH MONTH OF THE YEAR 1908.

1908. MONTHS.	CENTRAL					WEST CENTRAL.					NORTH-EAST.					NORTH-WEST.					SOUTH-EAST.					SOUTH-WEST.					BOROUGH.					Total.
	Scarlet Fever.	Typhoid Fever	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	Scarlet Fever.	Typhoid Fever.	Erysipelas.	Diphtheria.	Puerperal Fever.	
JANUARY	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...	...	2	...	...	...	...	1	...	1	2	1	4	...	8
FEBRUARY	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	3	...	6
MARCH	...	2	1	1	...	1	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	1	5	3	1	...	10
APRIL	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	2	2	...	5
MAY	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2
JUNE	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	1	2	1	...	4
JULY	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1
AUGUST	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
SEPTEMBER	...	...	...	1	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	1	...	5
OCTOBER	...	1	...	...	...	...	...	...	...	...	1	1	1	...	...	3	...	1	...	...	...	...	...	...	...	...	1	...	...	1	4	3	2	...	1	10
NOVEMBER	2	1	1	...	...	1	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1	...	...	2	5	3	2	...	2	12
DECEMBER	1	...	1	...	...	...	...	...	...	1	...	1	...	...	...	2	2	...	...	...	1	...	...	...	...	...	4	1	...	...	4	7	2	...	1	14
TOTALS	4	6	3	5	...	2	...	...	2	1	6	3	7	...	...	9	5	1	2	...	1	1	1	2	...	...	8	2	3	3	22	23	14	14	4	77

GOVERNMENT TABLE V.

NAME OF DISTRICT—DARWEN.

INFANTILE MORTALITY DURING THE YEAR 1908.

Deaths from stated Causes in Weeks and Months under One Year of age—

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes—																	
Certified	28	2	7	6	43	17	8	4	2	6	4	8	4	3	1	2	102
Uncertified	1	...	...	...	1	...	...	...	2	...	...	1	...	...	1	...	5
Common Infectious Diseases—																	
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Memb Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1
Diarrhœal Diseases—																	
Diarrhœa, all forms	...	...	1	...	1	2	2	2	...	2	1	3	...	1	...	...	14
Enteritis, Muco-enteritis Gastro-enteritis	...	...	2	...	2	2	...	...	...	...	...	1	...	...	...	...	5
Gastritis, Gastro-intestinal Catarrh	...	...	1	1	2	2	1	...	1	...	...	1	...	...	...	...	7
Wasting Diseases—																	
Premature Birth	21	...	1	1	23	4	...	...	...	...	...	...	...	...	...	...	27
Congenital Defects	2	1	...	1	4	...	...	...	...	...	...	...	...	...	...	...	4
Injury at Birth	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Want of Breast-milk, Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus	1	1	...	1	3	2	1	2	...	1	...	1	...	...	...	...	10
Tuberculous Diseases—																	
Tuberculous Meningitis	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...	3
Tuberculous Peritonitis Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2
Other Causes—																	
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	3
Bronchitis	...	...	1	...	1	1	1	...	1	2	...	1	...	...	1	...	8
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	1	1	...	...	...	...	...	2	...	1	...	...	...	4
Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	4	...	1	...	5	3	1	...	2	...	...	1	1	2	1	1	17
	29	2	7	6	44	17	8	4	4	6	4	9	4	3	2	2	107

Population (estimated to middle of 1908).............. 42,266

Deaths in the year of—		Births in the year—	
Legitimate Infants	101	Legitimate	877
Illegitimate Infants	6	Illegitimate............................	18

Deaths from all Causes at all ages.................................. 550

DEATHS UNDER ONE YEAR OF AGE.

Year.	Premature Birth.	Convulsions.	Bronchitis and Pneumonia.	Diarrhœal Diseases.	Whooping Cough.	Measles.	Inanition.	Congenital Defects.	Other Causes.	Total.	Rate per 1000 Births.
1886	...	...	...	...	...	...	...	...	...	187	193
1887	19	42	31	16	8	2	13	...	57	188	188
1888	...	...	...	...	...	...	...	...	...	154	155
1889	27	28	24	14	11	2	17	...	26	149	153
1890	...	...	...	...	...	...	...	...	...	184	171
1891	20	39	33	8	...	10	12	...	46	168	151
1892	15	36	37	5	11	...	13	...	60	177	167
1893	24	22	49	16	2	9	12	...	50	184	193
1894	21	17	30	6	10	...	8	...	38	130	125
1895	16	17	33	41	3	13	27	6	36	179	158
1896	25	14	44	35	15	3	18	6	30	187	181
1897	27	11	39	35	4	13	22	8	36	182	163
1898	33	6	33	58	...	11	12	9	48	199	175
1899	22	18	41	43	7	1	9	12	48	200	188
1900	36	16	38	27	4	9	18	5	44	188	191
1901	20	8	35	24	6	3	15	7	30	145	169
1902	23	6	35	16	6	1	7	7	35	135	151
1903	21	2	25	16	7	2	17	4	5	117	124
1904	15	2	21	29	13	8	13	5	25	123	150
1905	31	5	27	11	...	1	17	3	24	118	144
1906	18	5	27	19	...	4	9	3	30	111	136
1907	18	9	34	11	4	...	7	4	17	104	118
1908	27	3	12	26	1	...	10	4	24	107	120

TABLE showing Infantile Mortality in the various Wards.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Boro'
1898	195	193	219	125	122	164	175
1899	215	147	189	154	212	161	188
1900	225	183	238	170	158	163	191
1901	182	169	160	208	157	162	169
1902	138	135	146	121	174	174	151
1903	156	157	117	160	94	91	124
1904	152	96	126	172	194	152	150
1905	171	144	153	107	138	139	144
1906	117	179	160	62	158	140	136
1907	153	156	158	82	35	122	118
Average for Ten Years	170	156	167	136	144	147	155
1908	102	131	133	105	103	140	120

Infantile Mortality.

The Key-note to any further lowering of our mortality rate lies in how far we can lessen the number of deaths of our infant population.

The Infantile Mortality throughout the whole country ranges from 62 in Hornsey to 200 in Burnley, whilst Darwen's figures for the same period were 120, or just 2 more than in the previous year.

Perhaps I may better show you in what direction my opinions lie by describing the methods which have been adopted during the year.

The passing of the Early Notification of Births Bill has opened up great possibilities in the direction of a great saving of infant life, inasmuch as in former times a birth had to be registered within six weeks ; now, the same has to be notified to the Health Office within thirty-six hours.

This brings a birth to our notice before any mischief has been done. Miss Glass, the Health Visitor, goes to the house, and, unless attended by a medical man, she instructs the mother on the bathing, dressing, and feeding of infants, and printed instructions are left giving details on the following lines :—

Baby's Food.—Baby should be fed on the breast if mother is healthy and has enough milk, if not, feed as follows :—

(1) **Bottle.**—Never use a bottle with a long tube because it is very difficult to keep perfectly clean. The inside cannot be seen, milk may corrode on sides, and when fresh milk passes down it, it turns sour before reaching baby's stomach, causing diarrhœa and other complaints, which often end fatally. Use a bottle with just a teat on opening, and which has measurements marked up the side. After each feed the bottle and teat (which should be turned inside out) should be well washed in hot water and soda and kept standing in clean, cold water, till wanted for next feed.

(2) **Preparation of Food.**—Take one pint of new milk and put in a clean jar or jug with a lid (a saucer put over the top will do, this is to prevent soot falling into milk), stand in jar in a saucepan three parts full of cold water, put over fire, and when water is boiling, leave over fire for 20 minutes, then take off and add to milk 2 tablespoons lime water to 1 pint milk, and 2 tablespoons brown sugar.

Note.—If baby is constipated, instead of lime water use half tea-spoon bicarbonate of soda (buy at chemists) to one pint of milk (half tea-spoon is a heaped tea-spoon wiped off to tevel of rim of spoon). Milk should always be kept covered to prevent flies and dust getting in.

(3) **Quantity to give at each Feed.**—Is according to weight. The average capacity of the stomach at birth is 1 ounce, a simple method or guide as to increasing quantity as child grows bigger is as follows:—Divide the weeks of baby's age by two. This shows how many table-spoons to give at each feed, thus a baby of

2	weeks	should	have	1	tablespoon	every	2	hours.
3	,,	,,	,,	1½	,,	,,	2	,,
4	,,	,,	,,	2	,,	,,	2	,,
5	,,	,,	,,	2½	,,	,,	2	,,
6	,,	,,	,,	3	,,	,,	2½	,,
7	,,	,,	,,	3½	,,	,,	3	,,
8	,,	,,	,,	4	,,	,,	3	,,
8	,,	,,	,,	4	,,	,,	3	,,
9	,,	,,	,,	4½	,,	,,	3	,,
10	,,	,,	,,	5½	,,	,,	3	,,

and so on.

NOTE:—If a baby is under-fed it will waste, if over-fed have indigestion and vomiting. Feed by THE CLOCK, and give a regulated quantity. After the first month, baby should be trained to sleep 4 to 6 hours straight off at night after last fed at 10 p.m or 12 mid-night.

(4) **How to warm food for each feed after qreparing total quantity for day in the morning**:—Take the number of table-spoons required from milk sterilised for the day and put in feeding bottle, stand feeding bottle in a basin of warm water till milk is warm. Do not warm up milk for each feed in a sauce-pan, as it may burn or boil over.

(5) **How to prevent Constipation** :—

1. When washing baby rub its belly gently with hand up and down and all round.
2. Give a tea-spoon or so of water (boiled) between feeds.
3. Give a tea-spoon of olive oil now and again.

(6) **How to know if Baby is in Good Health** :—

1. Increase in weight.
2. Regular or normal action of bowels, which should be open two or three times a day ; stools should be of the colour of mustard ; if stools are green, slimy, very hard or too loose, or blood-stained, something is wrong, and a doctor's advice should be sought.
3. Gentle and regular breathing whilst sleeping, absence of fretting ; this latter does not always show baby wants feeding, but may be caused by overfeeding, or the napkin may want changing, or a pin may be pricking (clothing next the skin, such as binders, should be sewn on).
4. Absence of vomiting.

(7) **Baby needs plenty of Fresh Air.**—If kept too much indoors is more likely to get a chill from a draught than if taken out of doors every day. Do not take baby out at night. Baby needs plenty of Light.—Do not keep head always covered up.

(8) **Do not use a Dummy Teat.**—It spoils shape of mouth and is not necessary if baby is fed every two hours.

During the early part of the year letters were sent out by Miss Glass to all the religious bodies, and to the two Co-operative Societies in the town. asking them to send representatives to a meeting to be held in the Council Committee Room on specified night. As the evening was not a propitious one, owing to weather conditions and other attractions, there was not a very good gathering. The Mayoress (Mrs. A. T. Eccles) was appointed the first Hon. President, Mrs. Goodyear Pain, Hon. Secretary, and Mrs. J. Berry Thornley, Hon. Treasurer, Miss Glass having acted as Hon. Secretary up to that date ; and it was decided to call another preliminary meeting at a later date. This meeting took place and the before-mentioned appointments, and the business generally confirmed.

A general committee and an executive committee were appointed, the latter having power to arrange a programme and form a Mothers' Club. In the meantime

Miss Glass had made known the purpose of the Club to all the mothers she had been visiting, with the result that soon after the opening day there were 50 members.

The Club meets once a fortnight (on the Saturday afternoon). Each member pays a subscription of one penny a fortnight. As some of them come from a distance it was decided to provide tea, bread and butter, and cakes, at a charge of one penny each.

The following is the Syllabus for the First Session :—

Jan.	2	" How to prepare for Baby." The Mother's Preparation.
	16	" Knitting Afternoon." Babies Vests and Binders.
	30	" How to Care for Baby." Baby's first month.
Feb.	13	" Cutting out Afternoon." Baby's back Flannels.
	27	" How to Feed Baby." Breast Feeding.
Mar.	13	" Weighing afternoon and Needlework."
	27	" How to Feed Baby." Bottle Feeding.
April	10	" Knitting afternoon."
	24	" Babies Ailments." Thrush, Colds, Diarrhœa and Constipation, Dr. Haworth.
May	8	" Needlework afternoon."
	22	" Demonstrations (practical) on the best way to wash and dress a baby during its first month.
June	12	" Why Babies die," Dr. Haworth.
	26	" Needlework afternoon."
July	10	Sale of Work.

Miss Glass gives all the demonstrations, and is assisted by members of the Executive Committee.

The mothers evidence great interest in all the work. The babies are weighed periodically, and charts, with the weights on, are handed to each mother, so that further interest in the progress of the babies is stimulated.

In the event of any of the mothers from poverty not being able to pay for the tea or subscription the amounts are made up from a common fund, or collected from the ladies present.

Where a mother is breast-feeding her infant, and is not able to secure nourishment for herself, one of the Committee living in the neighbourhood is expected to provide and prepare suitable food, and the mother either fetches or sends for it.

It is the ambition of the members, and the Medical Officer of Health, that this Society should form the nucleus or starting point of an Elberfeld System. It will no doubt take some years to show some practical results, but of this there can be no doubt that there are great possibilities in the scheme.

107 Infants died during the year.

This is at the rate of 120 per 1,000 Births.

2.53 per 1,000 of Population.

19.45 per cent. of total Deaths.

	Males.	Females.	Total.
Premature Birth	14	13	27
Convulsions	3	0	3
Bronchitis and Pneumonia	7	5	12
Diarrhœa	5	3	8
Whooping Cough	1	0	1
Inanition	5	5	10
Other Diseases	23	23	46
	58	49	107

	Males.	Females.	Total.
Diseases of the Respiratory System	5	4	9
Diseases of the Digestive System	15	13	28
Developmental Diseases	0	2	2
Diseases of the Nervous System	7	0	7
General Diseases	0	1	1
Zymotic Diseases	7	8	15
Infective Diseases	4	4	8
Affections connected with Parturition	15	15	30
Inquests	1	1	2
Uncertified	4	1	5
	58	49	107

What is known as Infantile Mortality all over the country is the relation of deaths per annum of children under twelve months old to one thousand births for the same period.

The rate for Darwen is 120, somewhat lower than is usual, but yet much higher than it should be.

At least we should aim at keeping this Infantile Death-rate below 100 per 1,000 births, and consider every death above that as a preventable one, and, consequently, an unnecessary one.

PREMATURE BIRTH.—Twenty-seven prematurely born children died during the year, as compared with Eighteen in the previous year.

TUBERCULOR DISEASES (with the exception of the lungs) are due to the milk; and in every case the milk should be scalded before being used. We are trying to get our milk supply as good as possible. With careful attention to the animals I hope for better things.—See remarks on Farms.

Deaths of Infants during 1908, with cause of Death and Method of Feeding.

No.	Date of Death.	Age.	Cause of Death.	How Fed.	Kind of Food.	Remarks.
1	Sept. 1. 1908	6 months	Infantile Enteritis	Bottle, long tubed and boat-shaped.	Milk and lime water.	Delicate from Birth.
2	May 2. 1908	26 days	Hermaphrodite non-development.			
3	April 15 1908	4 days	Debility from Birth			
4	April 24 1908	6 days	Abdominal Inflammation.	Teaspoon.	Milk and water.	
5	Aug. . 1908	2 months	Aphthæ.	Breast.		
6	Aug. 4. 1908	3 days	Prematurity	Teaspoon.	Milk and water.	
7	Sept. 7, 1908	6 months	Acute Bronchi Pneumonia	Bottle, long tubing.	Milk and water. sago.	
8	Aug. 17, 1908	1 month	Gastritis.	Bottle, boat-shaped.	Swiss milk at first, then milk and lime water.	
9	Aug. 18, 1908	2 months	Tuberculosis, Tubercular Meningitis.	Breast first month, thin bottle—boat-shaped.	Milk and water and planopleton.	
10	Aug. 23, 1908	10 days	Patent Foramen Ovale	Bottle and teaspoon	Milk and water.	Mother works at mill.
11	Aug. 25, 1908	16 days	Gastritis.	Bottle—long tubed.	Milk and water.	Mother morks at mill.
12	Aug. 26. 1908	5 days	Premature Birth.			
13	Aug. 29. 1908	10 weeks	Convulsions.	Bottle—long tubed and teaspoon.	Milk and water.	Illegitimate.
14	June 4, 1908	4 days	Premature Birth.			
15	Aug. 18. 1908	21 days	Gastritis	Bottle—boat-shaped.	Milk and water.	
16	Sept. 22 1908	5 months	Epidemic Enteritis.	Bottle—long tubed.	Milk and water, and milk and lime water.	Dirty house, etc.
17	Sept. 26 1908	2 months	Tubercular Meningitis.	Bottle—long tubed and boat-shaped.	Milk and water, equal quantities.	Illegitimate, mother works at mill.
18	Oct. 1, 1908	7 months	Diarrhœa.	Breast 2 months, afterwards long tubed bottle	Milk and water.	
19	Oct. 1, 1908	2 days	Premature Birth.			
20	Oct. 7, 1908	2 months	Diarrhœa.	Breast		
21	Oct. 14, 1908	1 month	Diarrhœa.	Bottle—long tubed.	Milk and water.,	
22	Oct. 14, 1908	1 month	Gastro Enteritis	Bottle—boat-shaped.	Milk and water, and Allan and Hanbury's Food.	Stuffy house.
23	Oct. 14, 1908	13 m'ths	Bronchitis.	Breast till 8 months old.		Injured at birth.
24	Oct. 15, 1908	7 months	Diarrhœa.	Breast and teaspoon.	Milk and water.	Dirty house.
25	Dec. 30, 1907	1 hour	Atelectasis.			
26	Jan. 5, 1908	4 days	Premature Birth			
27	Jan. 9, 1908	12 m'ths	Diphtheria.			
28	Jan. 22, 1908	23 days	Premature Birth.	Teaspoon	Mellin's Food	
29	Jan. 23, 1908	4 months	Uncertified.	Bottle—long tubed, Breast 3 weeks.	Malt Food.	Mother works at mill.

Deaths of Infants during the year 1908, with Cause of Death and Method of Feeding—continued.

No.	Date of Death.	Age.	Cause of Death.	How Fed.	Kind of Food.	Remarks.
30	Jan. 25, 1908	3 hours	Premature Birth.			Twins, one stillborn.
31	Feb. 3, 1908	24 hours	Injury at Birth.			
32	Jan. 31, 1908	4 weeks	Inquest.	Breast.		Mother works at mill. Dirty house.,
33	Feb. 6, 1908	10 m'ths	Uncertified.	Bottle—long tubed.	Milk and water 9 months, pure milk and Neaves Food 1 month.	
34	Feb. 7, 1908	6 months	Tabes Mesenterica.	Breast 6 weeks, Bottle boat-shaped.	Milk.	Very poor.
35	Feb. 10, 1908	1 month	Stomatitis Fungosa.	Bottles—boat-shaped and long tubed.	Milk and water.	Mother works at mill.
36	Feb. 23, 1908	1 month	Gastro Enteritis.	Breast.		
37	Feb. 26, 1908	1 month	Marasmus.	Breast.		
38	Mar. 7, 1908	17 days	Premature Birth.	Breast and boat-shaped bottle.	Milk and water, 3 parts water.	
39	Mar. 11, 1908	2 months	Bronchitis.	Breast 4 weeks, long tubed bottle 4 weeks.	Milk and water, and rusks.	
40	Mar. 11, 1908	2 days	Premature Birth			
41	Mar. 22, 1908	5 months	Marasmus.	Bottle—boat-shaped.	Milk and water, and barley water.	
42	Mar. 29, 1908	3 months	Marasmus.	Bottle—boat-shaped.	Milk and water.	
43	April 1, 1908	9 months	Spasm of Glottis.	Breast and boat-shaped bottle.	Sterilised milk, lime water and sugar.	
44	April 9, 1908	14 days	Enteritis.	Bottle and teaspoon.	Milk and water.	Had 4 children, lost 3 (hard labours).
45	April 14 1908	30 days	Persistent Vomiting.	Bottle—boat-shaped.	Milk and water, and lime water	(Difficult labour) Child had fits from birth.
46	April 15 1908	4 days	Debility from Birth.			
47	April 15 1908	7 months	Acute Bronchitis.	Bottle—long tubed.	Neaves Food.	
48	April 17 1908	5 mins.	Hydrocephalus.			
49	April 18 1908	11 m'ths	Convulsions.	Bottle—long tubed and boat-shaped.	Milk and water.	
50	April 18 1908	8 months	Broncho Pneumonia.	Bottle—long tubed and boat-shaped.	Milk and lime water	
51	May 3, 1908	13 hours	Premature Birth.			
52	May 2, 1908	7 months	Gastritis.	Bottle—boat-shaped.	Milk and water.	
53	May 5, 1908	12 hours	Premature Birth.			
54	May 7, 1908	15 hours	Premature Birth.			
55	May 7, 1908	2 hours	Premature Birth.			

Deaths of Infants during the year 1908, with Cause of Death and Method of Feeding—continued.

No.	Date of Death.	Age.	Cause of Death.	How Fed.	Kind of Food.	Remarks.
56	May 11, 1908	6 months	Broncho Pneumonia.	Bottle—long tubed.	Milk, barley water and lime water.	
57	May 13, 1908	½ hour	Premature Birth.			Twins.
58	May 13, 1908	1 hour	Premature Birth.			
59	May 28, 1908	7 hours	Premature Birth.			
60	May 31, 1908	5 hours	Broncho Pneumonia.	Bottle—boat-shaped.	Milk and lime water.	
61	May 30, 1908	2 days	Premature Birth.			
62	June 2, 1908	10 m'ths	Bronchitis.	Bottle—long tubed.	Milk and barley water.	Mother works at mill.
63	June 9, 1908	2 days	Premature Birth.			Mother in the Asylum.
64	June 11, 1908	1 month	Premature Birth.	Breast and long tubed bottle.	Milk and lime water.	
65	June 12, 1908	7 months	Uncertified.	Bottle—boat-shaped.	Milk and water.	Illegitimate.
66	June 13, 1908	7 months	Convulsions.	Breast 3 months, bottle long tubed.	Milk and water.	
67	June 18, 1908	14 hours	Difficult Labour.			
68	June 18, 1908	8 months	Tubercular Meningitis	Breast 1 month, then bottle.	Milk and water, milk and lime water.	
69	June 26, 1908	26 days	Marasmus.	Bottle—long tubed.	Milk and water.	Had Hæmorrhage from Umbilicus.
70	June 29, 1908	12 hours	Premature Birth.			
71	June 30, 1908	17 days	Gastro Enteritis.	Bottle—boat-shaped and long tubed.	Milk and water.	
72	July 11, 1908	1 month	Marasmus.	Teaspoon.	Milk and water.	
73	July 16, 1908	2 days	Premature Birth.			
74	July 26, 1908	9 months	Diarrhœa.			
75	July 29, 1908	7 months	Gastro Enteritis.	Breast 2 months, bottle 5 months—long tubed.	Milk and water.	Mother works at mill.
76	Oct. 21, 1908	2 months	Diarrhœa.	Bottle—long tubed.	Milk and water.	Illegitimate child, mother buried 15 (some stillborn).
77	Oct. 27, 1908	28 days	Infantile Diarrhœa.	Bottle—long tubed.	Milk and water.	
78	Nov. 3, 1908	3 months	Infective Enteritis.	Breast and bottle—boat-shaped.	Milk and water.	Ruptured when 6 weeks old.
79	Oct. 31, 1908	6 weeks	Premature Birth.	Teaspoon.	Milk and water, raw meat juice and white of egg.	
80	Oct. 2, 1908	1 month	Premature Birth.	Bottle—boat-shaped.	Milk and water.	Mother died during confinement from Phthisis.
81	Oct. 27, 1908	3 days	Premature Birth.			
82	Oct. 6, 1908	4 months	Uncertified.	Bottle—boat-shaped, glass tube.	Horlick's Malted Milk, Neaves Food, and Nestles Milk.	
83	Nov. 8, 1908	9 months	Persistent Vomiting and Diarrhœa.	Breast and bottle—boat-shaped.	Milk and lime water.	

Deaths of Infants during the year 1908, with Cause of Death and Method of Feeding—continued.

No.	Date of Death.	Age.	Cause of Death.	How Fed.	Kind of Food.	Remarks.
84	Nov. 14, 1908	2 weeks	Infective Enteritis, Diarrhœa.	Bottle—long tubed.	Milk and water.	
85	Nov. 18, 1908	5 months	Bronchitis.	Bottle—boat shaped.	Milk and barley water.	
86	Nov. 11, 1908	3 months	Infantile Diarrhœa.	Bottle—long tube and boat-shaped.	Milk and water.	
87	Nov. 13, 1908	22 days	Whooping Cough.	Bottle—boat-shaped and breast.	Milk and water.	
88	Oct. 24, 1908	14 days	Persistant Vomiting and Diarrhœa.	Bottle—boat-shaped and long tubed.	Milk and lime water.	Had 4 children, buried 2. House dirty.
89	Dec. 8, 1908	2 months	Marasmus.	Bottle—boat-shaped.	Milk and lime water.	
90	Dec. 10, 1908	2 hours	Premature Birth.			Mother died during confinement.
91	Dec. 9, 1908	5 months	Bronchitis.	Bottle—boat-shaped and long tubed.	Neaves Food.	Mother died during confinement.
92	Dec. 11, 1908	23 days	Broncho Pneumonia.	Teaspoon.	Milk and water.,	
93	Oct. 14, 1908	7 months	Marasmus.	Bottle—long tubed and boat-shaped.	Milk and water, and milk and lime water.	Weighed only 4 lbs. day before death.
94	Oct. 14, 1908	4 months	Gastro Intestinal Catarrh	Bottle—boat-shaped.	Milk and water.	Mother has 11 children living and has buried 5.
95	Oct. 20, 1908	5 months	Diarrhœa.	Bottle—long tubed.	Milk and water.	Mother works at mill.
96	Nov. 3, 1908	7 months	Infective Enteritis.	Bottle—long tubed.	Milk and water.	Mother works at mill.
97	Nov. 18, 1908	19 days	Bronchitis.	Breast.		Frequently taken out at night.
98	Nov. 22, 1908	1 hour	Uncertified.			
99	Dec. 2, 1908	3 days	Premature Birth.			
100	Dec. 2, 1908	7 days	Debility from Birth.			
101	Dec. 7, 1908	1 month	Acute Bronchitis.	Breast and bottle.	Milk and water.	
102	Dec. 5, 1908	8 hours	Difficult Labour.			
103	Dec. 6, 1908	2 months	Gastritis.	Bottle—boat-shaped and long tubed.	Milk and water.	Mother works at mill.
104	Dec. 9, 1908	3 months	Debility from Birth.	Bottle—boat-shaped.	Milk and water.	Twins.
105	Oct. 17, 1908	1 month	Gastro Intestinal Catarrh	Bottle—boat-shaped.	Milk and water.	
106	Dec. 18, 1908	4 months	Bronchitis.	Bottle—long tubed.	Milk and water, and barley water.	
107	Dec. 19, 1908	1 month	Premature Birth.	Breast.		Mother works at mill.
108	April 2, 1908	8 months	Burns—Died from Shock	Breast.		
109	April 25 1908	8 months	Marasmus.	Bottle—long tubed.	Milk and water.	Deserted by mother.

TABLE XV.

Showing the Diseases and Age Periods at which Persons have Died.

DISEASES	Under 1 yr		1 to 5		5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
DISEASES OF THE CIRCULATORY SYSTEM.																		
Aneurysm	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Aortic Stenosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Arterial Sclerosis	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	2	2
Heart Disease	...	...	...	...	1	3	3	3	1	2	1	2	8	10	9	9	23	29
Thoracic Aneurysm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	1	3	3	3	1	2	1	2	10	11	12	10	28	31
DISEASES OF CONNECTIVE TISSUE.																		
Cellulitis of Neck	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
DEVELOPMENT DISEASES.																		
Hermaphrodite Non-development	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Patent Foramen Ovale	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
DISEASES OF THE DIGESTIVE SYSTEM.																		
Abdominal Inflammation	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Acute Indigestion	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Appendicitis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Biliary Calculi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cirrhosis of Liver	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	3	...
Cirrhosis of Liver and Kidney	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Enteritis	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	2	1
Gangrenous Stomatitis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Gastric Ulcer	...	...	...	...	...	...	...	...	...	2	1	...	...	1	...	...	1	3
Gastritis	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	5
Gastro Enteritis	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...
Gastro Intestinal Catarrh	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2
Hepatitis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2
Inanition	5	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	5	6
Intestinal Obstruction	...	...	...	...	...	...	1	...	...	...	...	...	1	1	1	1	3	2
	12	11	1	2	1	...	1	...	...	2	1	...	7	3	3	4	25	22

TABLE XV.—(Continued).

DISEASES	Under 1 yr		1 to 5		5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
DISEASES OF THE DIGESTIVE SYSTEM (Continued).																		
	12	11	1	2	1	...	1	...	...	2	1	...	7	3	3	4	26	22
Mesenteric Thrombosis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Obstructive Jaundice	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Persistant Vomiting	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Renal and Cardiac Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Simple Pyloric Stenosis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Stomatitis	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Strangulated Femoral Hernia	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	2
Strangulated Umbilical Hernia	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Thrush	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Ulceration of Bowel	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	1
Volvulus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Vomiting and Diarrhœa	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
	15	13	1	2	1	...	1	...	...	3	1	1	8	7	4	6	31	32
DISEASES OF THE EAR.																		
Inflammation of Ear	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...
Middle Ear Disease	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	1	2
	...	...	...	...	...	1	1	1	...	...	...	...	1	...	...	...	2	2
GENERAL DISEASES.																		
Anæmia	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Diabetes	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	3	...
Pernicious Anæmia	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Purpura Hæmorrhagica	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	2	...
Rheumatism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Rheumatoid Arthritis	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Rickets	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1
Senile Decay	...	...	...	...	...	...	...	...	...	...	...	...	1	2	6	24	7	26
Sporadic Cretinism	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	...	1	2	...	1	...	...	1	1	...	1	...	6	2	7	25	18	29
DISEASES OF THE GENERATIVE SYSTEM.																		
Enlarged Prostate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Hypertrophy of Prostate	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...

TABLE XV.—(Continued).

DISEASES	Under 1 yr		1 to 5		5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
INFECTIOUS DISEASES.																		
Influenza	...	...	...	...	1	...	...	...	...	...	2	2	...	3	...	2	3	7
Pneumonia	3	1	1	3	...	...	2	...	...	...	3	2	6	1	...	1	15	8
Puerperal Gonoreal Septicæmia	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Rheumatic Fever	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	3	...
Tabes Mesenterica	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Tubercular Disease of Spine	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Tubercular Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Tubercular Meningitis	...	2	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	5
Tubercular Peritonitis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Tuberculosis	...	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	3	1
	4	4	2	4	3	1	3	...	1	1	6	7	7	4	1	3	27	24
INJURIES.																		
Injuries	...	...	1	...	...	...	1	...	1	...	1	...	2	...	2	...	8	...
INQUESTS.																		
Inquests	1	1	1	...	...	1	...	...	1	2	3	2	4	1	6	...	16	7
DISEASES OF THE ORGANS OF LOCOMOTION.																		
Gangrene of Arm	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Gangrene of Foot	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Gangrene of Leg	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Osteomyelitis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
	...	...	...	...	1	...	...	...	...	...	...	...	2	1	...	...	3	1
DISEASES OF THE NERVOUS SYSTEM.																		
Acute Hydrocephalus	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Amyotrophic Laterial Sclerosis	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Apoplexy	...	...	...	...	...	...	...	...	...	1	3	1	16	8	4	11	23	21
Cerebral Embolism	...	...	...	...	...	...	...	...	...	...	...	...	...	...		1	...	1
Cerebral Paralysis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Cerebral Softening	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Cerebral Tumour	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Cerebritis	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Congenital Hydrocephalus	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Convulsions	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...
Disseminated Lateral Sclerosis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Hemiplegia	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	3
Hydrocephalus	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Laryngismus Stridulus	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Meningitis	...	...	1	...	1	...	...	1	...	...	...	2	...	...	...	...	2	3
Neuritis	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Paralysis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Periencephalitis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Transverse Myelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
	7	...	2	...	1	1	...	1	...	1	5	3	19	14	4	13	38	33

TABLE XV.—(Continued).

DISEASES	Under 1 yr		1 to 5		5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
NEW GROWTHS.																		
Cancer of Bladder	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cancer of Bowel	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	3
Cancer of Breast	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	1	...	6
Cancer of Gall Bladder	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Cancer of Jaw	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Cancer of Liver	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	1	3	4
Cancer of Pancreas	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cancer of Prostate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cancer of Rectum	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cancer of Stomach	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	1	1	5
Cancer of Tongue	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	1
Cancer of Uterus	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	3
Cancer of Vulva	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Melanotic Sarcoma	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
	...	...	...	...	...	...	...	...	...	...	...	2	4	16	5	8	9	26
AFFECTIONS CONNECTED WITH PARTURITION.																		
Difficult Labour	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Embolism (Puerperal State)	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Injury at Birth	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...		1
Obstructed Labour	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Parturition —	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	2
Premature Birth	14	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	13
Puerperal Eclampsia	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
	15	15	...	...	...	...	...	1	...	2	...	2	...	...	...	...	15	20
POISONING.																		
Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	..
DISEASES OF THE RESPIRATORY SYSTEM.																		
Atelectasis	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Bronchial Asthma	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Bronchiectasis	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Bronchitis	4	4	4	3	...	...	...	...	...	...	2	...	1	6	8	10	19	23
Empyema	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Gangrene of Lung	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Laryngitis	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Phthisis	...	...	...	...	1	2	1	2	1	3	4	2	5	4	...	...	12	13
Pleurisy	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2
Pulmonary Oedema	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
	5	4	4	4	1	2	1	2	2	3	6	4	7	13	8	10	34	42

TABLE XV.—(Continued).

DISEASES	Under 1 yr		1 to 5		5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
DISEASES OF THE SKIN.																		
Carbuncle (Septicæmia)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
SUICIDES.	...	...	...	...	...	...	...	...	...	1	...	...	2	1	1	...	3	2
UNCERTIFIED.	4	1	1	1	...	...	...	...	...	...	...	...	1	...	1	1	7	3
DISEASES OF THE URINARY SYSTEM.																		
Bright's Disease	...	...	...	...	...	...	...	...	1	...	3	4	6	5	...	1	10	10
PRINCIPAL ZYMOTIC DISEASES.																		
Diarrhœa	6	8	1	...	...	...	...	...	...	...	...	...	...	...	1	...	8	8
Diphtheria	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Enteric Fever	...	...	...	...	1	...	...	...	2	2	1	1	...	1	...	...	4	4
Scarlet Fever	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	1
Whooping Cough	1	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	2
	7	8	4	3	2	...	...	...	2	2	1	1	...	1	1	...	17	15
Totals.	58	49	19	14	11	9	10	9	10	17	28	28	81	76	53	78	270	280
	107		33		20		19		27		56		157		131		550	

Deaths in Regard to Occupation.

Acute Indigestion.

Labourer	1

Amyotrophic Lateral Sclerosis.

Plumber	1

Anæmia.

Lighting Superintendent	1

Aneurysm.

Carter	1

Aortic Stenosis.

Cardroom Hand	1

Apoplexy.

Baker	1
Block Cutter	1
Book-Keeper	1
Carter	1
Coal Miners	2
Cotton Mill Manager	1
Cotton Spinners	2
Cotton Weavers	6
Cotton Winders	2
Grocer	1
Hotel Keeper	1
Housewives	17
Joiner	1
Labourers	2
Night Watchman	1
Paper Stainer Printer	1
Paper Warehouse-man	1
Plumber	1
Stone Waller	1
	44

Arterial Sclerosis.

Chip-potato Dealer	1
Housewives	2
Labourer	1
	4

Asthma.

Painter	1

Biliary Calculi.

Oyster Merchant	1

Bright's Disease.

Coal Miner	1
Cotton Weavers	2
Cotton Winder	1
Draper	1
Farmer	1
Housewives	7
Labourers	3
Painter	1
Pipe-fitter	1
Stone Quarrier	1
Watch-maker and Jeweller	1
	20

Bronchiectasis.

Housewife	1

Bronchitis.

Coal Miners	2
Cotton Cardroom Hand	1
Cotton Mill Machine-man	1
Cotton Weavers	1
Housewives	14
Joiner	1
Labourers	2
Paper Mill Manager	1
Pick-axe Sharpener	1
Soap-maker	1
Wheelwright	1
	26

Cancer of Bladder.

Cotton Weaver	1

Cancer of Bowels.

Housewives	3

Cancer of Breast.

Cotton Weaver	1
Housewives	5
	6

Cancer of Gall Bladder.

Housewife	1

Cancer of Jaw.

Housewife	1

Cancer of Liver.

Calico Printer	1
Housewives	4
Iron Turner	1
Stone Mason	1
	7

Cancer of Pancreas.

Cotton Mill Secretary	1

Cancer of Rectum.

Cotton Weaver	1

Cancer of Stomach.

Housewives	5
Insurance Agent	1
	6

Cancer of Tongue.

Cotton Weaver	1
Labourer	1
	2

Cancer of Uterus.

Housewives	3

Cancer of Vulva.

Housewife	1

Carbuncle (Septicæmia).

Housewife	1

Cerebral Embolism.

Housewife	1

Cerebral Paralysis.

Cotton Weaver	1

Cerebral Softening.

Housewife	1

Cerebritis.

Housewife	1

Chronic Rheumatism.

Housewife	1

Cirrhosis of Liver.

Cotton Tape-sizer	1
Engine Driver	1
Labourers	2
	4

Diabetes.

Cotton Weaver	1
Grocers	2
	3

Diarrhœa.

Cotton Weaver	1

Disseminated Lateral Sclerosis.

Grocer	1

Duodenal Ulcer.

Cotton Winder	1

Embolism (Puerperal State).

Cotton Winder	1

Empyema.

Milliner	1

Enlarged Prostate.

Farmer	1

Enteritis.

Sanitary Pipe-burner	1

Enteric Fever.

Cotton Manufacturer	1
Cotton Warehouse Bundler	1
Cotton Weavers	5
Housewife	1
	8

Gangrene of Arm.

Labourer	1

Gangrene of Foot.

Housewife	1

Gangrene of Leg.

Cotton Spinner	1

Gangrene of Lung.

Motor Lurry Driver	1

Gangrenous Stomatitis.

Tin-plate Worker	1

Gastric Ulcer.

Cotton Drawer-in	1
Cotton Weaver	1
Dressmaker	1
Housewife	1
	4

Gastritis.

Housewife	1

Gastro Intestinal Catarrh.

Housewife	1

Heart Disease.

Carter	1
Chip-potato Dealer	1
Club Steward	1
Coal Miner	1
Cotton Cloth-looker	1
Cotton Spinners	2
Cotton Weavers	6
General Commission Agent	1
Groom	1
House-keeper	1
Housewives	22
Labourers	5
Paper Maker	1
Shop-keeper	1
Stone-mason	1
	46

Hemiplegia.

Housewives	3

Hepatitis.

House-keeper	1
Housewife	1
	2

Hypertrophy of Prostate.

Coal Miner	1

Inflammation of Ear.

Cotton Weaver	1

Influenza.

Housewives	7
Joiner	1
Labourer	1
	9

Injuries.

Can Breaker	1
Coal Miner	1
Joiner	1
Labourers	3
Paper Mill Store-keeper	1
	7

Inquest.

Builder and Contractor	1
Cashier	1
Clock Jobber	1
Cotton Twister	1
Cotton Weavers	2
Housewives	2
Labourers	7
Piece Carrier	1
Police Sergeant	1
Stripper and Grinder	1
	18

Intestinal Obstruction.

Caretaker	1
Cotton Weaver	1
Housewife	1
Labourer	1
	4

Mastoiditis.

Domestic Servant	1
Paper Mill Reeler	1
	2

Melanotic Sarcoma.

Cotton Warper	1

Meningitis.

Cotton Weaver	1
Housewives	2
	3

Mesenteric Thrombosis.

Housewife	1

Neuritis.

Joiner	1

Obstructed Labour.

Housewife	1

Obstructive Jaundice.

Housewife	1

Paralysis.

Coal Miner	1

Parturition.

Housewives	2

Perienoephalitis.

Cotton Spinner	1

Pernicious Anæmia.

Machine Printer	1

Phthisis.

Black and White-smith	1
Brewers Cellarman	1
Charwoman	1
Cotton Cardroom Hand	1
Cotton Drawer-in	1
Cotton Piecer	1
Cotton Spinners	3
Cotton Weavers	2
Cotton Winders	2
Housewives	5
Iron Driller	1
Labourer	1
Paper-bag Maker	1
Stone Masons	3
	24

Pleurisy.

Housewives	2

Pneumonia.

Clogger	1
Cotton Mill Overlooker	1
Cotton Weavers	2
Cotton Winder	1
Housewives	2
Iron Moulder	1
Labourers	3
Sanitary Pipe Burner	1
Shop-keeper	1
Small-ware Hawker	1
Stoker at Gasworks	1
	15

Poisoning.

Hawker	1

Puerperal Eclampsia.

Housewife	1

Puerperal Gonoreal Septicæmia.

Cotton Weaver	1

Pulmonary Œdema.

Housewife	1

Purpura Hæmorrhagica.

Cotton Weaver	1

Rheumatic Fever.

Carter	1
Cashier	1
Cotton Piecer	1
	3

Rheumatoid Arthritis.

Cotton Weaver	1
Whitesmith	1
	2

Senile Decay.

Calico Printer	1
Cotton Weavers	2
Grocer	1
Housewives	23
Labourers	2
Rag-sorter	1
Shop-keeper	1
Stone Quarrier	1
	32

Simple Pyloric Stenosis.

Housewife	1

Strangulated Femoral Hernia.

Cotton Winder	1
Housewife	1
	2

Strangulated Umbilical Hernia.

Housewife	1

Suicide.

Cotton Weaver	1
Furnace-man	1
Housewife	1
Labourer	1
Watch Maker and Jeweller	1
	5

Thoracic Aneurysm.

Cotton Weaver	1

Transverse Myelitis.

Housewife	1

Tubercular Disease of Spine.

Cotton Weaver	1

Tubercular Laryngitis.

Tobacconist	1

Tubercular Meningitis.

School Mistress	1

Tuberculosis.

Cotton Cloth Loader	1

Ulceration of Bowel.

Labourer	1

Uncertified.

Brick-burner	1
Cotton Weaver	1
Housewife	1
	3

Volvulus.

Cotton Weaver	1

TABLE XVI.

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Baker.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Black and White-smith.														
Phthisis	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Block Cutter.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Brewers Cellarman.														
Phthisis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Brick-burner.														
Uncertified	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Book-keeper.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Builder and Contractor.														
Inquest	...	...	...	...	...	...	...	...	...	...	1	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Calico Printers.														
Cancer of Liver	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Senile Decay	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	...	...	...	...	...	...	2	...	2	...
Can Breaker.														
Injuries	...	...	1	...	...	...	...	...	...	...	...	...	1	...
Caretaker.														
Obstruction of Bowels	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Carters														
Aneurysm	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Rheumatic Fever	...	...	...	...	1	...	...	...	...	...	...	...	1	...
	...	...	...	...	1	...	...	...	2	...	1	...	4	...
Cashiers.														
Inquest	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Rheumatic Fever	...	...	...	...	...	...	1	...	...	...	...	...	1	...
	...	...	...	...	...	...	1	...	1	...	...	...	2	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Charwoman.														
Phthisis	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Chip Potato Dealers.														
Arterio Sclerosis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Heart Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...
	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Clock Jobber.														
Inquest	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Clogger.														
Pneumonia	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Club Steward.														
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Coal Miners.														
Apoplexy	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Bright's Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Bronchitis	...	...	...	...	...	...	...	...	1	...	1	...	2	...
Heart Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Hypertrophy of Prostate	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Injuries	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Paralysis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
	...	...	...	...	1	...	...	...	7	...	1	...	9	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cotton Cardroom Hands.														
Aortic Stenosis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Bronchitis	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Phthisis	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	...	...	...	...	...	1	...	...	...	1	1	...	1	2
Cotton Cloth-loader.														
Tuberculosis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cotton Cloth-looker.														
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cotton Drawers-in.														
Gastric Ulcer	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Phthisis	1	...	...	...	...	...	...	...	...	...	...	...	1	...
	1	...	...	...	...	...	1	...	...	...	...	...	2	...
Cotton Manufacturer.														
Enteric Fever	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Cotton mill machine-man.														
Bronchitis	...	...	...	...	...	...	1	...	...	...	...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cotton Mill Manager.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cotton Mill Overlooker.														
Pneumonia	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Cotton Mill Secretary.														
Cancer of Pancreas	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cotton Piecers.														
Phthisis	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Rheumatic Fever	...	...	1	...	...	...	...	...	...	...	...	...	1	...
	...	1	1	...	...	...	...	...	...	...	...	...	1	1
Cotton Spinners.														
Apoplexy	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Gangrene of Leg	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Heart Disease	...	...	...	1	...	...	...	...	1	...	...	...	1	1
Periencephalitis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Phthisis	...	...	...	...	1	...	1	...	1	...	...	...	3	...
	...	...	...	1	1	...	1	...	6	...	...	...	8	1

TABLE XVI.—(Continued.

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cotton Tape-sizer. ..														
Cirrhosis of Liver	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cotton Twister. .														
Inquest	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Cotton Warehoure Bundler.														
Enteric Fever	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Cotton Warper.														
Melanotic Sarcoma	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Cotton Weavers.														
Apoplexy	...	...	...	...	...	...	...	1	2	...	1	2	3	3
Bright's Disease	...	...	...	...	...	...	...	...	...	2	...	...	...	2
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cancer of Bladder	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cancer of Breast	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Cancer of Rectum	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cancer of Tongue	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Cerebral Paralysis	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Diabetes	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Diarrhœa	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Enteric Fever	...	...	...	...	1	2	1	...	...	1	...	...	2	3
Gastric Ulcer	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Heart Disease	...	...	2	1	...	...	...	...	2	...	1	...	5	1
Inflammation of Ear	...	...	1	...	...	...	...	...	...	...	...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cotton Weavers (Continued).														
Inquest	...	...	...	...	...	1	...	1	...	...	...	...	...	2
Intestinal Obstruction	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Meningitis	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Phthisis	...	...	1	1	...	...	...	...	...	...	...	...	1	1
Pneumonia	...	...	1	...	...	...	...	...	...	...	...	1	1	1
Puerperal Gonoreal Septicæmia	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Purpura Hæmorrhagica	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Rheumatoid Arthritis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Senile Decay	...	...	...	...	...	...	...	...	...	1	1	...	1	1
Suicide	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Thoracic Aneurysm	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Tubercular Disease of Spine	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Uncertified	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Volvulus	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	5	3	2	6	1	4	6	6	10	4	24	23
Cotton Winders.														
Apoplexy	...	...	...	...	...	1	...	...	...	...	...	1	...	2
Bright's Disease	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Duodenal Ulcer	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Embolism (Puerperal State)	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Phthisis	...	...	...	1	...	...	...	...	...	1	...	...	...	2
Pneumonia	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Strangulated Femoral Hernia	...	...	...	...	...	...	...	...	...	...	...	1	...	1
	...	...	...	1	...	3	...	2	...	1	...	2	...	9
Domestic Servant.														
Mastoiditis	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Draper.														
Bright's Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Dressmaker.														
Gastric Ulcer	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Engine Driver.														
Cirrhosis of Liver	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Farmers.														
Bright's Disease	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Enlarged Prostate	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	...	...	1	...	...	...	1	...	2	...
Furnaceman.														
Suicide	...	...	...	...	...	...	...	...	1	...	...	...	1	...
General Commission Agent.														
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Grocers.														
Apoplexy	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Diabetes	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Disseminated Lateral Sclerosis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Senile Decay	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	...	...	...	...	3	...	2	...	5	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15 M	5 to 15 F	15 to 25 M	15 to 25 F	25 to 35 M	25 to 35 F	35 to 45 M	35 to 45 F	45 to 65 M	45 to 65 F	65 and upwards M	65 and upwards F	Total. M	Total. F
Groom.														
Heart Disease					1						...	...	1	...
Hawker														
Poisoning									1		...	...	1	...
Hotel Keeper.														
Apoplexy							1				...	...	1	...
House-keepers.														
Heart Disease										1	...	...	...	1
Hepatitis										1	...	...	...	1
										2	...	...	...	2
Housewives														
Apoplexy										8	...	9	...	17
Arterial Sclerosis										1	...	1	...	2
Bright's Disease								3		3	...	1	...	7
Bronchiectasis								1			...	...	...	1
Bronchitis										5	...	9	...	14
Cancer of Bowels										2	...	1	...	3
Cancer of Breast										4	...	1	...	5
Cancer of Gall Bladder										1	...	...	...	1
Cancer of Jaw											...	1	...	1
Cancer of Liver										3	...	1	...	4
Cancer of Stomach										4	...	1	...	5
Cancer of Uterus										1	...	2	...	3

TABLE XVI.—(Continued.

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Housewives (Continued).														
Cancer of Vulva												1		1
Carbuncle (Septicæmia)												1		1
Cerebral Embolism												1		1
Cerebral Softening										1				1
Cerebritis										1				1
Chronic Rheumatism												1		1
Enteric Fever								1						1
Gangrene of Foot										1				1
Gastritis												1		1
Gastro Intestinal Catarrh												1		1
Heart Disease						2		2		9		9		22
Hemiplegia										3				3
Hepatitis												1		1
Influenza								2		3		2		7
Inquest								1		1				2
Intestinal Obstruction										1				1
Meningitis								2						2
Mesenteric Thrombosis										1				1
Obstructed Labour						1								1
Obstructive Jaundice												1		1
Parturition				1				1						2
Phthisis						1		2		2				5
Pleurisy										2				2
Pneumonia								1		1				2
Puerperal Eclampsia								1						1
Pulmonary Œdema										1				1
Senile Decay										1		22		23
Simple Pyloric Stenosis										1				1
Strangulated Femoral Hernia								1						1
Strangulated Umbilical Hernia										1				1
Suicide										1				1
Transverse Myelitis												1		1
Ulceration of Stomach										1				1
Uncertified												1		1
				1		4		18		64		70		157
Insurance Agent.														
Cancer of Stomach									1				1	

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Iron Driller.														
Phthisis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Iron Moulder.														
Pneumonia	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Iron Turner.														
Cancer of Liver	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Joiners.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Influenza	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Injuries	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Neuritis	...	...	...	...	...	...	1	...	...	...	...	...	1	...
	...	...	...	...	...	...	2	...	1	...	2	...	5	...
Labourers.														
Acute Indigestion	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Apoplexy	...	...	...	...	...	...	1	...	1	...	...	...	2	...
Arterial Sclerosis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Bright's Disease	...	...	...	...	1	...	...	...	2	...	...	...	3	...
Bronchitis	...	...	...	...	...	...	1	...	...	...	1	...	2	...
Cancer of Tongue	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Cirrhosis of Liver	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Gangrene of Arm	...	...	...	...	...	...	...	...	1	...	...	...	1	...

TABLE XVI.

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Labourers (Continued).														
Heart Disease	...	...	1	...	...	...	1	...	1	...	2	...	5	...
Influenza	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Injuries	...	...	...	...	...	...	1	...	1	...	1	...	3	...
Inquest	...	...	...	...	1	...	...	...	3	...	3	...	7	...
Intestinal Obstruction	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Phthisis	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Pneumonia	...	...	1	...	...	...	...	...	2	...	...	...	3	...
Senile Decay	...	...	...	...	...	...	...	...	1	...	1	...	2	...
Suicide	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Ulceration of Bowel	...	...	...	...	...	...	...	...	1	...	...	...	1	...
	...	...	2	...	2	...	6	...	17	...	11	...	38	...
Lighting Superintendent.														
Anæmia	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Machine Printer.														
Pernicious Anæmia	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Milliner.														
Empyema	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Motor Lurry Driver.														
Gangrene of Lung	...	...	...	...	1	...	...	...	...	...	...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Night Watchman.														
Apoplexy											1	...	1	...
Oyster Merchant.														
Biliary Calculi											1	...	1	...
Painters														
Asthma									1		...	...	1	...
Bright's Disease							1				...	...	1	...
							1		1		...	...	2	...
Paper Bag Maker. ...														
Phthisis						1					...	...	...	1
Paper Maker.														
Heart Disease									1		...	...	1	...
Paper Mill Manager.														
Bronchitis											1	...	1	...
Paper Mill Reeler.														
Mastoiditis									1		...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Paper Mill Store-keeper.														
Injuries	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Paper Stainer Printer														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Paper Warehouseman.														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Pick-axe Sharpener.														
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Piece Carrier.														
Inquest	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Pipe Fitter.														
Bright's Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Plumbers.														
Amyotrophic Lateral Sclerosis	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Apoplexy	...	...	...	...	...	...	1	...	...	...	...	...	1	...
	...	...	...	...	...	...	2	...	...	...	...	...	2	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Police Sergeant.														
Inquest	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Rag Sorter.														
Senile Decay	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Sanitary Pipe Burners.														
Enteritis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Pneumonia	...	...	...	...	...	...	1	...	...	...	...	...	1	...
	...	...	...	...	...	...	1	...	...	...	1	...	2	...
School-Mistress.														
Tubercular Meningitis	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Shop-keepers.														
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Pneumonia	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Senile Decay	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	...	...	...	...	1	...	2	...	3	...
Smallware Hawker.														
Pneumonia	...	...	...	...	...	...	...	...	1	...	...	...	1	...

TABLE XVI.—(Continued.

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Soap Maker.														
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Stoker at Gasworks.														
Pneumonia	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Stone Masons.														
Cancer of Liver	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Heart Disease	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Phthisis	...	...	...	...	...	...	1	...	2	...	...	...	3	...
	...	...	...	...	...	...	1	...	2	...	2	...	5	...
Stone Quarriers.														
Bright's Disease	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Senile Decay	...	...	...	...	...	...	...	...	...	...	1	...	1	...
	...	...	...	...	...	...	1	...	...	...	1	...	2	...
Stone Waller														
Apoplexy	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Stripper and Grinder.														
Inquest	...	...	...	...	...	...	1	...	...	...	...	...	1	...

TABLE XVI.—(Continued).

DISEASES.	5 to 15		15 to 25		25 to 35		35 to 45		45 to 65		65 and upwards		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Tin-plate Worker.														
Gangrenous Stomatitis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Tobacconist.														
Tubercular Laryngitis	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Watch-makers and Jewellers.														
Bright's Disease	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Suicide	...	...	...	...	...	...	...	...	1	...	...	...	1	...
	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Wheelwright.														
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Whitesmith.														
Rheumatic Arthritis	...	...	...	...	...	...	...	...	1	...	...	...	1	...

Deaths from Phthisis and Respiratory Diseases in regard to Occupation, since 1898, i.e., for a period of 11 years.

The proporation of deaths from Consumption, and other diseases of the chest, to the total deaths is respectively 4.96 per cent. and 24.85 per cent.

It is interesting now to analyse the figures in regard to the effects which certain trades have upon the two diseases. As was to be expected stone masons, which I presume, will refer principally to stone cutters, heads the list with 34.48 per cent; from Phthisis, and 62.07 per cent. from other diseases of the respiratory organs. This large death-rate is undoubtedly due to the inhalation of fine dust which arises in the operation of stone cutting. The only precaution known to me, which is exercised by the workmen is the wetting of the stone at intervals, but it is evident that " Familiarity breeds contempt," and in the absence of the necessary water little or nothing is done to prevent the dust from getting into the lungs. It seems to me some other method should be instituted, in addition to the wetting of the stones, such as wearing a respirator, or a covering of cloth or wool to be frequently changed, or a continuous stream of water kept running over the stone which is being operated on. This particular form of Phthisis, affecting Stone Masons, is like that of Colliers, known as Fibroid Phthisis, that is a thickening of the lung tissue due to the irritating action of the small particle of stone dust.

Confectioners also suffer from these complaints. In the proportion of Phthisis 28.57 per cent., and other diseases 42.86 per cent. The confectionary bakehouses, until they came under the close observation of the Sanitary Authorities, were not the best of ventilated places. Recently great improvements have been effected in this respect so that we may anticipate a lowering of these figures. Added to the want of ventilation is the great heat of these rooms, and the frequent changes of atmosphere, caused by going from one place to another, has had the effect of setting up Catarrh, and thus lowering the vitality of the lungs so that the dust which arises in the operation of baking form suitable carriers of the bacilli of tuberculosis.

Brick-layers show Phthisis 28.57 per cent., and Respiratory Diseases 57.14 per cent., thus ranking high in the list. No doubt exposure and the manner of life has had a good deal to do with this. They often have spells of being off work either through stress of weather or exigencies of trade, and coupled with the exposure to which they are subjected when at work, combines to render them the subject of diseases of the Chest. Comparing them with the Butchers, in the next column, shows them in an unfavourable light, the constancy of occupation on the part of the Butchers, I think, has a great deal to do (along with this healthy occupation) with the scarcity of these complaints.

Carters, although exposed to bad weather show a good record in Consumption, but not so favourable in other Respiratory Diseases, Phthisis being 2.04 per cent., and Respiratory Diseases 34.69 per cent.

Cardroom Hands stand in an unfavourable position, Phthisis being responsible for 22.73 per cent., and Respiratory Diseases for 45.45 per cent. This is probably due to the large amount of dust and fluff which is disengaged in the process. More so than obtained in the operation of Spinning, which will account for the more favourable position of the latter. Another comparison may be made with **Strippers and Grinders**, usually looked upon as a most fatal occupation on account of the dust of a gritty nature which accompanies the work. This low rate will be influenced by the fact that Grinders use a piece of cotton wool in the mouth and covering the nose, thus preventing the dust being inhaled and reaching the lungs.

A peculiar feature is seen in the study of the figures of—

Winders.—Phthisis 25.93 per cent., Respiratory Diseases 38.27 per cent. especially when campared with

Weavers.—Phthisis 11.99 per cent., Respiratory Diseases 26.77 per cent.

The operation of Winding is carried on in a warm room without any special attempt at increasing the ventilation of the rooms, so that the dust has free play. It is a noticable feature in medical practice that Winders suffer from Chest complaints, whilst Weavers do not, in consequence of the recent legislation effecting improvements in the system of ventilation. How far the emission of steam has influenced these low rates it is impossible to say. If we could compare the figures of Weavers working in " humid " and " dry " sheds, we might arrive at a definite solution. It would also be interesting to know the effect on Winders lives first of improved ventilation, and second of the use of steam.

Warpers usually work in the same room as the Winders, and should, in the ordinary course of things, have a similar death-rate, that this is not so, is difficult to explain. One reason,. no doubt, is because of the very great difference in the numbers of the two classes of workers, so that in the case of the Warpers there are much fewer in number to derive our statistics from. Another factor is probably the one that the warping follows immediately on the process of winding, and the warp has been deprived of its dust. The Winders thus are first exposed to the action of this superfluous material.

It seems to me the diseases under consideration, inasmuch as they effect our cotton mill operatives, do so in the ratio according to the particular position which they occupy in the process of dealing with the cotton material.

Cotton Sizers are in a peculiar position, at the bottom of the list. Certainly there are not a great many in proportion following this class of work. It was in former times an arduous occupation calling only for those in vigorous health, and the work was done in an excessively humid atmosphere, yet in those days the men were healthy and particularly free from consumption, etc. With the improvement in ventilation in other directions, great changes have taken place in the taping rooms by the installation of wooden hoppers placed immediately over the size boiling tanks and cylinders, so that the steam is carried immediately into the open air. The rooms are often open, especially during the summer time, and now the occupation is an unusually healthy one.

Plumbers, Printers and Painters are fairly close together. These figures do not call for further comment.

Quarriers occupy a middle position, and yet one would expect a higher rate than obtained, due most likely to the absence of very fine dust.

Farmers are more subject to Chest complaints than one would have anticipated. It is difficult to understand why they should fall victims to such a disease as Consumption, unless there is more tubercular mischief in our milking cows than we are aware, certainly this is a matter for grave consideration, and points to the necessity for weeding out any dangerous beasts which may be found, and for this purpose the application of the Tuberculin test would be invaluable.

Further analysis, I think, is not called for. The table is an invaluable one, and I am indebted to my clerk, Mr. John Cook, for his assistance in getting out the figures. As years roll on the information will be increasingly important.

Percentage of Deaths from Phthisis and Respiratory Diseases to total Deaths in various occupations.

Deaths in Borough.				Block-cutters.			Book-keepers & Clerks.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	632	29	132	0	0	0	0	0	0
1899	647	31	170	1	0	0	2	0	0
1900	789	30	180	3	0	1	3	0	0
1901	620	29	173	1	0	1	4	0	2
1902	569	31	164	0	0	0	1	0	1
1903	501	22	120	1	1	1	3	0	1
1904	606	38	145	1	0	0	2	0	0
1905	562	36	141	0	0	0	0	0	0
1906	540	19	150	2	0	0	2	0	0
1907	527	35	152	1	0	0	2	0	1
1908	550	25	99	1	0	0	1	0	0
Totals.	6543	325	1626	11	1	3	20	0	5
Rates ...	...	4.96	24.85	...	9.09	27.27	...	0.00	25.00

Brick-layers.				Butchers.			Carters.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	1	0	0	3	0	0	6	1	2
1899	0	0	0	0	0	0	4	0	1
1900	2	1	1	0	0	0	3	0	2
1901	0	0	0	0	0	0	4	0	2
1902	1	0	1	0	0	0	2	0	0
1903	0	0	0	0	0	0	3	0	2
1904	0	0	0	0	0	0	2	0	1
1905	2	1	1	1	0	0	6	0	2
1906	0	0	0	4	0	1	9	0	3
1907	1	0	1	2	0	0	6	0	2
1908	0	0	0	0	0	0	4	0	0
Totals	7	2	4	10	0	1	49	1	17
Rates ...	...	28.57	57.14	...	0.00	10.00	...	2.04	34.69

PERCENTAGE OF DEATHS FROM PHTHISIS, Etc.—Continued.

	Colliers.			Confectioners.			Cotton Cardroom Hands		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	6	1	2	2	1	1	1	0	0
1899	1	0	0	0	0	0	2	1	1
1900	4	0	1	1	0	0	3	0	2
1901	6	0	1	0	0	0	1	1	1
1902	12	1	3	1	0	1	3	1	1
1903	2	0	1	1	0	0	0	0	0
1904	5	0	0	2	1	1	0	0	0
1905	6	1	1	0	0	0	1	0	0
1906	6	0	3	0	0	0	4	1	2
1907	8	0	2	0	0	0	4	0	1
1908	9	0	2	0	0	0	3	1	2
Totals	65	3	16	7	2	3	22	5	10
Rates ...	...	4.62	24.62	...	28.57	42.86	...	22.73	45.45

	Cotton Grinders.			Cotton Mill Overlookers.			Cotton Sixers.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	0	0	0	3	0	1	0	0	0
1899	0	0	0	4	0	3	3	0	0
1900	1	0	0	4	0	1	2	0	0
1901	0	0	0	2	0	0	0	0	0
1902	1	0	0	4	0	1	1	0	0
1903	1	0	0	6	0	0	3	0	0
1904	1	0	0	2	0	0	3	0	0
1905	0	0	0	3	1	1	1	0	0
1906	1	0	1	3	0	0	4	0	0
1907	1	0	0	6	1	4	3	0	0
1908	0	0	0	1	0	1	1	0	0
Totals	6	0	1	38	2	12	21	0	0
Rates ...	...	0.00	16.67	...	5.26	31.58	...	0.00	0.00

PERCENTAGE OF DEATHS FROM PHTHISIS, Etc.—Continued.

Year.	Cotton Spinners.			Cotton Twisters & Drawers.			Cotton Warehousemen.		
	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	8	1	3	4	1	1	4	0	0
1899	6	1	2	4	1	2	2	0	1
1900	4	0	1	3	0	0	2	0	0
1901	4	2	4	3	1	2	4	0	2
1902	6	2	3	5	1	2	2	0	1
1903	7	0	2	2	1	1	3	0	1
1904	5	1	2	2	0	1	1	0	0
1905	6	1	2	1	0	0	2	1	1
1906	3	0	0	2	0	2	0	0	0
1907	6	0	1	3	2	2	1	0	0
1908	9	3	3	3	1	1	3	0	0
Totals	64	11	23	32	8	14	24	1	6
Rates ...	...	17.19	35.94	...	25.00	43.75	...	4.17	25.00

Year.	Cotton Warpers.			Cotton Weavers.			Cotton Winders.		
	Total Deaths.	Phthisis Deaths.	Respiratoy Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	1	0	0	36	3	6	12	2	3
1899	1	0	0	36	7	13	8	1	3
1900	0	0	0	38	5	14	6	3	4
1901	2	0	0	35	3	7	3	1	2
1902	0	0	0	37	8	15	4	1	1
1903	1	0	0	37	4	9	8	3	4
1904	1	0	0	41	6	13	12	3	4
1905	1	0	0	56	7	12	9	4	4
1906	1	0	0	50	3	14	7	1	3
1907	3	0	1	54	8	16	3	0	0
1908	1	0	0	47	2	6	9	2	3
Totals	12	0	1	467	56	125	81	21	31
Rates ...	...	0.00	8.33	...	11.99	26.77	...	25.93	38.27

PERCENTAGE OF DEATHS FROM PHTHISIS, Etc.—Continued.

	Dressmakers.			Engine-tenters.			Farmers.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	0	0	0	1	0	0	10	0	3
1899	1	0	0	2	0	1	5	0	1
1900	0	0	0	0	0	0	1	0	0
1901	0	0	0	4	1	2	6	0	1
1902	1	0	0	1	0	0	5	0	0
1903	0	0	0	1	0	0	4	1	2
1904	1	0	0	4	0	0	1	0	1
1905	2	0	1	2	0	0	2	0	1
1906	0	0	0	0	0	0	3	0	0
1907	2	0	0	2	0	0	3	0	0
1908	1	0	0	1	0	0	2	0	0
Totals	8	0	1	18	1	3	42	1	9
Rates ...	...	0.00	12.50	...	5.56	16.67	...	2.38	21.43

	Fire-beaters.			Gardeners.			General Labourers.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	0	0	0	1	0	0	16	1	3
1899	4	0	1	2	0	0	33	4	14
1900	2	0	0	2	0	1	29	0	7
1901	1	0	0	2	0	1	19	1	6
1902	1	0	0	0	0	0	25	4	12
1903	0	0	0	2	0	1	14	1	3
1904	0	0	0	1	0	0	19	4	8
1905	3	0	1	1	0	1	29	5	10
1906	2	0	1	1	0	0	25	2	9
1907	0	0	0	1	0	0	21	1	2
1908	1	0	0	0	0	0	38	1	6
Totals	14	0	3	13	0	4	268	24	80
Rates ...	...	0.00	21.43	...	0.00	30.77	...	8.96	29.85

PERCENTAGE OF DEATHS FROM PHTHISIS, Etc.—Continued.

	Grocers.			Iron Workers.			Joiners.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	0	0	0	6	0	2	0	0	0
1899	4	0	1	3	2	2	2	0	0
1900	4	0	1	4	0	0	3	0	2
1901	1	0	1	7	3	4	1	0	0
1902	1	0	1	6	0	0	3	0	2
1903	1	0	0	9	0	3	3	0	0
1904	1	0	0	4	0	0	4	0	0
1905	1	0	0	3	1	1	5	0	1
1906	2	0	0	8	1	3	2	1	1
1907	3	0	0	4	0	2	1	0	1
1908	5	0	0	3	1	2	5	0	1
Totals	23	0	4	57	8	19	29	1	8
Rates ...	...	0.00	17.39	...	14.04	33.33	...	3.45	27.59

	Painters.			Paper Makers.			Paper Stainers.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	3	0	1	2	0	0	1	0	0
1899	1	0	0	2	0	0	0	0	0
1900	0	0	0	2	1	2	0	0	0
1901	2	0	0	3	0	1	2	0	0
1902	1	0	1	3	0	0	1	1	1
1903	2	0	0	2	0	0	1	0	0
1904	2	0	0	4	1	1	0	0	0
1905	3	1	1	2	0	0	1	0	0
1906	2	0	0	1	0	0	0	0	0
1907	2	1	1	1	0	0	0	0	0
1908	2	0	1	1	0	0	1	0	0
Totals	20	2	5	23	2	4	7	1	1
Rates ...	...	10.00	25.00	...	8.69	17.39	...	14.29	14.29

PERCENTAGE OE DEATHS FROM PHTHISIS, Etc.—Continued.

	Plasterers.			Plumbers.			Printers.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	0	0	0	0	0	0	0	0	0
1899	0	0	0	1	0	0	2	0	0
1900	2	1	1	0	0	0	1	0	1
1901	0	0	0	0	0	0	1	0	0
1902	0	0	0	1	1	1	2	0	0
1903	0	0	0	0	0	0	0	0	0
1904	0	0	0	1	0	0	1	1	1
1905	0	0	0	0	0	0	0	0	0
1906	3	0	1	1	0	1	0	0	0
1907	0	0	0	0	0	0	4	1	1
1908	0	0	0	2	0	0	2	0	0
Totals	5	1	2	6	1	2	13	2	3
Rates ...	...	20.00	40.00	...	16.67	33.34	...	15.38	23.08

	Quarriers.			Stone Masons.			Tailors.		
Year.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.	Total Deaths.	Phthisis Deaths.	Respiratory Diseases.
1898	3	1	2	2	0	2	1	0	0
1899	5	2	3	3	1	3	2	0	0
1900	9	0	4	2	1	1	5	1	3
1901	2	0	0	5	1	1	0	0	0
1902	8	0	5	5	1	4	1	0	1
1903	6	0	1	0	0	0	0	0	0
1904	7	1	4	2	0	1	0	0	0
1905	2	0	0	1	1	1	0	0	0
1906	1	0	0	0	0	0	2	0	0
1907	2	0	1	4	2	2	2	0	1
1908	2	0	0	5	3	3	0	0	0
Totals	47	4	20	29	10	18	13	1	5
Rates ...	...	8.51	44.68	...	34.48	62.07	...	7.69	38.46

SUMMARY.

Occupation.	Phthisis Rate.	Respiratory Rate.	Occupation.	Phthisis Rate.	Respiratory Rate.	Occupation.	Phthisis Rate.	Respiratory Rate.
Stone Masons	34.48	62.07	Cotton Weavers	11.99	26.77	Farmers	2.38	21.43
Brick-layers	28.57	57.14	Painters	10.00	25.00	Carters	2.04	34.69
Confectioners	28.57	42.86	Block-Cutters	9.09	27.27	Gardeners	0.00	30.77
Cotton Winders	25.93	38.27	General Labourers	8.96	29.85	Book-keepers & Clerks	0.00	25.00
Cotton Twisters and Drawers	25.00	43.75	Paper Makers	8.69	17.39	Fire-beaters	0.00	21.43
Cardroom Hands	22.73	45.45	Quarriers	8.51	44.68	Grocers	0.00	17.39
Plasterers	20.00	40.00	Tailors	7.69	38.46	Cotton Grinders	0.00	16.67
Cotton Spinners	17.19	35.94	Engine-tenters	5.56	16.67	Butchers	0.00	10.00
Plumbers	16.16	33.34	Cotton Mill Overlookers	5.26	31.58	Dress-makers	0.00	12.50
Printers	15.38	13.08	Colliers	4.62	24.62	Cotton Warpers	0.00	8.33
Paper Stainers	14.29	14.29	Cotton Warehousemen	4.17	25.00	Cotton Sizers	0.00	0.00
Iron Workers	14.04	33.34	Joiners	3.45	27.59			

TABLE XVII.

Estimated Population, Number of Deaths, and Death-rates from all Causes, from Zymotic Diseases, of Children under 1 Year, and Persons of 60 years and upwards, during the last 18 years.

YEAR.	Estimated Population at Middle of Year.	Total Deaths from all causes	Death Rate per 1,000 of Population.	Total Deaths from Seven Principal Zymotic Diseases.	Death Rate from Zymotic Diseases per 1,000 f Population	Total Deaths under 1 Year of Age.	Percentage of Death under 1 Year to Total Deaths.	Total Deaths of Persons 60 Years and Upwards.	Percentage of Deaths of Aged Persons to Total Deaths.
1891	34,192	660	19.30	60	1.75	168	25.4	126	19.0
1892	35,000	641	18.31	67	1.91	177	27.6	105	16.3
1893	35,500	677	19.07	79	2.22	184	27.1	141	20.8
1894	36,000	542	15.05	40	1.11	130	23.9	107	19.7
1895	36,000	640	17.77	77	2.13	179	27.9	124	19.3
1896	36,652	627	17.10	81	2.20	187	29.8	132	21.0
1897	37,500	651	17.36	63	1.68	182	27.9	135	20.7
1898	37,500	632	16.85	78	2.08	199	31.4	131	20.7
1899	37,900	647	17.07	89	2.34	200	30.9	119	18.3
1900	38,600	789	20.44	112	2.90	188	23.8	183	23.1
1901	38,212	620	16.22	82	2.14	145	23.3	156	25.1
1902	38,712	569	14.69	40	1.03	134	23.7	143	25.1
1903	39,114	501	12.80	30	0.76	117	23.3	147	29.3
1904	39,516	606	15.33	107	2.70	123	20.2	149	24.5
								65 and up'ds	
1905	39,918	562	14.07	40	1.00	118	20.9	106	18.8
1906	41,164	540	13.11	47	1.14	111	20.5	125	23.1
1907	41,864	527	12.58	29	0.69	104	19.7	110	20.8
1908	42,266	550	13.01	32	0.76	107	19.5	131	23.8

TABLE XVIII.

Deaths during the Eighteen Years, 1891 to 1908 inclusive of Children, under 5 years and Persons 5 years and upwards.

	UNDER 5 YEARS OF AGE.																	
	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	21	...	25	...	41	14	28	25	8	42	7	3	12	27	3	17	1	...
Scarlet Fever	2	13	7	2	2	5	2	1	15	7	8	5	...	10	14	3	...	1
Diphtheria	1	...	4	2	...	2	1	1	4	18	19	12	4	6	1	...	2	2
Whooping Cough	2	26	2	17	3	26	9	...	15	8	11	...	8	28	...	1	11	4
Croup	17	17	13	1	10	2	1	3	2	10	5	1	...	...	...	...	...	...
Continued Fevers :—																		
Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Typhoid	2	2	...	...	...	...	...	...	...	...	1	...	1	2	...	...	...	...
Others	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa and Dysentry	10	5	20	6	18	17	11	42	25	11	14	4	1	9	3	21	4	15
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	1	1	...	2	2	...	...	1	...	...	...	...	...	...	...	...	...
Pyæmia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis	...	...	1	...	...	1	...	...	...	3	...	...	...	4	1	...	1	...
Bronchitis, Pneumonia, and Pleurisy	68	63	84	49	51	82	64	58	67	73	59	52	41	50	44	51	59	23
Heart Disease	1	...	...	...	1	...	...	1	4	1	3	1	1	1	2	1	...	...
Injuries	4	3	1	...	5	2	3	4	4	6	4	...	3	...	5	1	1	1
All other Diseases	153	133	126	118	138	153	150	143	145	163	114	106	97	96	106	81	74	94

TABLE XVIII.—(Continued).

	5 YEARS AND UPWARDS.																	
	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Smallpox	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...
Measles	3	...	2	...	...	...	...	2	...	2	...	2	1	2	1	...	...	...
Scarlet Fever	...	5	3	2	...	...	2	...	7	4	6	4	...	12	7	...	...	1
Diphtheria	...	...	1	...	...	...	1	...	1	14	10	7	...	1	2	1	3	...
Whooping Cough	...	1	...	...	...	2	...	...	1	...	...	...	...	...	...	...	2	...
Croup	3	4	10	2	1	2	1	3	1	3	2	1	...	...	...	...	...	...
Continued Fevers :—																		
Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid	10	8	7	9	10	8	7	6	12	4	3	8	...	6	3	4	4	8
Others	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Diarrhœa and Disentery	2	3	7	...	3	...	...	2	2	2	3	1	...	...	8	...	1	1
Cholera	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rheumatic Fever	...	1	...	...	3	2	5	7	2	2	1	...	3	...	5	3	3	3
Erysipelas	2	1	...	1	...	1	2	...	1	2	...	...	...	...	1	1	...	...
Pyæmia	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...
Puerperal	...	...	1	3	5	5	3	5	1	1	...	1	1	3	3	2	...	1
Ague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis	22	40	44	44	38	28	27	28	31	27	29	...	22	34	35	19	34	25
Bronchitis, Pneumonia and Pleurisy	119	93	82	52	72	53	93	60	65	89	72	70	53	53	56	75	51	44
Heart Disease	27	35	57	47	43	37	35	47	55	53	55	...	57	53	56	63	53	52
Injuries	15	15	13	5	20	15	9	4	6	4	7	1	4	...	6	4	6	7
All other Diseases	171	170	168	180	163	184	197	189	172	250	157	281	192	208	200	192	216	268

GOVERNMENT TABLE I.

Vital Statistics of whole District during 1908 and previous years.

NAME OF DISTRICT—DARWEN.

YEAR.	Population estimated to Middle of Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL. DEATHS. IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
				Under 1 Year of Age.		At all Ages.						
		Number.	Rate.*	Number.	Rate per 1,000 Births. registered	Number.	Rate.*				Number.	Rate.*
1	2	3	4	6	6	7	8	9	10	11	12	13
1898	37,500	1131	30.16	199	175	632	16.85	Nil.	Nil.	...	632	16.85
1899	37,900	1062	28.02	200	188	647	17.07	Nil.	Nil.	...	647	17.07
1900	38,600	980	25.38	188	191	789	20.44	Nil.	Nil.	...	789	20.44
1901	38,212	858	22.45	145	168	620	16.22	Nil.	Nil.	...	620	16.22
1902	38,712	891	23.01	135	151	569	14.69	Nil.	Nil.	...	569	14.69
1903	39,114	941	24.05	117	124	496	12.68	Nil.	Nil.	5	501	12.80
1904	39,516	820	20.75	123	150	597	15.10	Nil.	Nil.	9	606	15.33
1905	39,918	818	20.49	118	144	549	13.75	Nil.	Nil.	13	562	14.07
1906	41,164	811	19.70	111	136	513	12.46	Nil.	Nil.	27	540	13.11
1907	41,864	876	20.92	101	115	506	12.08	Nil.	Nil.	21	527	12.58
Averages. for years 1898-1907.	39,250	919	23.49	144	154	592	15.13	Nil.	Nil.	15	599	15.32
1908	42,266	895	21.17	105	117	503	11.90	Nil.	Nil.	47	550	13.01

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water 5,919

Total Population at all ages	38,212	At Census of 1901.
Number of Inhabited Houses	8,432	
Average number of Persons per House	4.5	

47 Residents died in public institutions beyond the District.

Institutions outside the District receiving Sick and infirm persons from this District:—

Blackburn Infirmary and Workhouse.
Lancaster County Lunatic Asylum.
Children's Hospital, Manchester.
Victoria Hospital Blackpool.
Infirmary, Bolton.

GOVERNMENT TABLE II.

Vital Statistics of Separate Localities in 1908, and previous years.

NAME OF DISTRICT—DARWEN.

Names of Localities.	1. Central Ward.				2. West Central Ward.				3. North-East Ward.				4. North-West Ward.				5 South-East Ward.				6 South-West Ward.				7 Borough.			
YEAR.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.
1898...	6957	210	112	41	3875	109	72	21	8753	293	156	64	5202	120	78	15	6057	188	94	23	6656	213	120	35	37500	1131	632	199
1899...	7038	181	130	39	3919	95	62	14	8854	296	136	56	5260	123	66	19	6126	188	133	40	6703	199	120	32	37900	1062	647	200
1900...	7168	160	149	36	3992	109	69	20	9017	223	193	53	5357	141	113	24	6239	158	125	25	6827	184	140	30	38600	980	789	188
1901...	6919	154	124	28	3860	77	67	13	9079	225	129	36	4984	101	85	21	6500	153	120	23	6870	148	95	24	38212	858	620	145
1902...	7006	174	92	24	3866	74	61	10	9273	226	131	33	4999	107	68	13	6591	138	93	24	6977	172	121	30	38712	891	569	135
1903...	7076	186	100	29	3872	83	54	13	9428	248	110	29	5011	100	65	16	6664	159	79	15	7063	165	93	15	39114	941	501	117
1904...	7145	138	102	21	3878	73	59	7	9583	215	139	27	5023	128	103	22	6737	134	97	26	7150	132	103	20	39516	820	606	123
1905...	7214	129	96	22	3884	90	55	13	9738	229	129	35	5035	103	84	11	6810	123	105	17	7237	144	93	20	39918	818	562	118
1906...	7539	145	86	17	4050	78	52	14	9754	206	143	33	5649	112	66	7	6868	120	86	19	7304	150	107	21	41164	811	540	111
1907...	7660	124	98	19	4061	96	51	15	10024	222	123	35	5670	134	89	11	6995	144	76	5	7454	156	90	19	41864	876	527	104
Averages of Years 1898 to 1907.	7172	160	109	23	3926	88	60	14	9350	238	139	40	5219	117	82	16	6559	151	101	22	7024	166	108	25	39250	919	599	144
1908...	7730	137	91	14	4067	84	54	11	10179	233	137	31	5682	133	87	14	7068	165	80	17	7540	143	101	20	42266	895	550	107

GOVERNMENT TABLE III.

Cases of Infectious Disease notified during the year 1908.

NAME OF DISTRICT—DARWEN.

Notifiable Disease.	Cases Notified in Whole District.							Total Cases Notified in each Locality.						No. of Cases Removed to Hospital from each Locality.						
	At all Ages.	At Ages—Years.						1	2	3	4	5	6	1	2	3	4	5	6	Total Cases removed to Hospital.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and up's	Cent'l Ward.	West-Cent'l	No'th-East	No'th-West	So'th-East	So'th-West	Cent'l Ward.	West Cent'l.	No'th-East	No'th-West	Sou'h-East	Sou'h-West (H)	
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including) Membranous Croup)	14	...	6	5	2	1	...	5	2	...	2	2	3	...	...	...	...	...	...	...
Erysipelas	14	...	...	2	1	8	3	3	...	7	1	1	2	...	...	...	...	...	...	...
Scarlet Fever	22	...	10	9	...	3	...	4	2	6	9	1	...	3	1	5	2	1	...	12
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	23	...	1	8	7	7	...	6	...	3	5	1	8	...	...	...	...	...	...	...
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	4	...	...	...	2	2	...	...	1	...	...	...	3	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	77	...	17	24	12	21	3	18	5	16	17	5	16	3	1	5	2	1	...	12

ISOLATION HOSPITAL—BULL HILL, DARWEN.

Total Available Beds—20 and 4 Cots.

Number of Diseases that can be concurrently treated—Scarlet Fever only.

GOVERNMENT TABLE IV.

Causes of, and Ages at, Death during year 1908.

NAME OF DISTRICT—DARWEN.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the district.							Deaths at all ages of "Residents" belonging to Localities whether occurring in or beyond the District.					
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Central Ward.	West-Central Ward	North-East Ward.	North-West Ward.	South-East Ward.	South-West Ward.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet-Fever	2	...	1	1	...	...	...	...	...	2	...	...	...
Whooping-cough	4	1	3	...	...	...	...	1	1	1	...	1	...
Diphtheria (including Membranous Croup	2	...	2	...	...	...	...	...	1	...	...	...	1
Croup	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...
Fevers Enteric	8	...	...	1	...	7	...	2	...	...	2	1	3
Other continued	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	10	...	...	1	...	7	2	1	1	3	1	3	1
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa	16	14	1	...	...	...	1	2	4	5	1	3	1
Enteritis	17	12	2	...	...	...	3	3	2	4	3	3	2
Puerperal Fever	1	...	...	...	...	1	...	...	...	...	...	...	1
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulm. Tuberculosis).	25	...	...	3	3	19	...	6	2	6	3	...	8
Other Tubucular Diseases	15	5	2	3	...	4	1	1	4	5	2	2	1
Cancer, Malignant Disease	35	...	...	...	...	22	13	6	1	10	4	6	8
Bronchitis	42	8	7	...	...	9	18	8	...	8	10	6	10
Pneumonia	23	4	4	...	2	12	1	1	1	11	3	4	3
Pleurisy	2	...	...	...	...	2	...	...	...	...	2	...	...
Other Diseases of Respiratory Organs	7	1	1	...	...	5	...	...	1	3	1	1	1
Alcoholism—Cirrhosis of Liver	3	...	...	...	...	3	...	1	1	...	...	1	...
Venereal Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	27	27	...	...	...	...	...	6	1	6	5	5	4
Diseases and Accidents of Parturition	8	3	...	...	1	4	...	2	1	...	2	2	1
Heart Diseases	52	...	...	4	6	24	18	7	5	17	6	7	10
Accidents	8	...	1	...	1	4	2	...	...	2	2	1	3
Suicides	5	...	...	...	...	4	1	1	1	...	1	...	2
All Other Causes	238	32	9	7	6	114	70	43	27	54	39	34	41
All Causes	559	107	33	20	19	241	130	91	54	137	87	80	101

Analysis of the Vital Statistics of Seventy-Six of the Largest English Towns during 1908.

TOWN	Estimated Population middle of 1908	Births	Deaths	Annual Rate per 1,000 Living			Deaths from Principal Infectious Diseases	Small-pox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever	Diarrhoea	Deaths of Children under one year of age to 1,000 Births	Rate per cent. of Uncertified Deaths
				Births	Deaths	Principal Infectious Diseases										
76 Towns	16,234,952	445,303	246,019	26.9	14.9	1.59	26,116	1	5,069	1,718	2,578	4,751	1,251	10,748	128	0.9
75 Provincial Towns	11,439,195	321,459	178,666	27.6	15.4	1.67	19,517	1	3,545	1,170	1,854	3,767	1,024	8,156	134	1.3
London	4,795,757	123,844	67,353	25.4	13.8	1.35	6.599	—	1,524	548	724	984	227	2,592	113	0.1
Croydon	157,698	4,070	2,047	25.4	12.8	1.37	220	—	93	6	39	28	5	49	99	—
Willesden	154,792	4,099	1,653	26.1	10.5	1.00	159	—	57	14	13	13	7	55	99	0.4
Hornsey	92,713	1,514	783	16.1	8.3	0.57	54	—	14	3	7	12	2	16	62	0.3
Tottenham	126,146	3,871	1,608	30.2	12.5	1.23	157	—	52	15	21	10	7	52	96	0.1
West Ham	315,000	9,229	4,439	28.8	13.9	2.39	763	—	226	51	54	84	28	320	128	0.0
East Ham	142,976	3,609	1,503	24.8	10.3	1.27	185	—	32	25	66	9	4	49	110	—
Leyton	125,815	3,300	1.333	25.8	10.4	0.82	105	—	25	18	18	12	4	28	77	0.3
Walthamstow	131,486	3,508	1,407	26.2	10.5	0.98	132	—	37	11	21	3	14	46	107	—
Hastings	67,817	1,069	806	15.5	11.7	0.40	28	—	7	3	2	11	2	3	81	0.7
Brighton	129,967	2,808	1,945	21.3	14.7	0.64	83	—	22	1	9	18	4	29	104	0.1
Portsmouth	211,493	6,110	2,957	28.4	13:8	0.97	207	—	13	8	49	55	26	56	99	0.5
Bournmouth	70,801	1,234	925	17.1	12.9	0.71	51	—	11	2	11	17	2	8	83	0.8
Southampton	122,196	2,971	1,600	23.9	12.9	1.17	145	—	20	5	16	35	5	64	113	—
Reading	81,647	1,879	978	22.6	11.8	1.34	112	—	15	9	20	35	7	26	99	1.8
Northampton	96,405	2,045	1,132	20.9	11.6	0.71	70	—	3	5	4	29	5	24	96	1.9
Ipswich	73,852	1,839	1,073	24.5	14.3	0.89	67	—	16	2	10	11	—	28	107	—
Great Yarmouth	53,152	1,440	812	26.7	15.0	0.94	51	—	6	1	5	6	5	28	126	—
Norwich	122,841	3,152	1 759	25.2	14.1	1.12	140	—	1	3	26	25	36	49	116	0.7
Plymouth	122.113	2,750	1,861	22.2	15.0	0.91	113	—	1	—	15	27	10	60	129	—
Devonport	81,525	2,104	1,102	25.4	13.3	1.21	101	—	—	1	16	28	15	41	125	—
Bristol	372,785	8,739	5,139	23.1	13.6	1.16	435	—	97	10	63	128	9	128	126	0.2
Hanley	67,998	2,283	1,274	33.0	18.4	1.97	137	—	23	1	15	23	16	59	166	0.9
Burton-on-Trent	53,936	1,211	697	22.1	12.7	1.06	58	—	3	8	7	18	5	17	111	2.0
Wolverhampton	103,318	2,712	1,501	25.8	14.3	1.22	127	—	6	9	32	24	10	46	132	0.3
Walsall	97,778	2,942	1,484	29.6	14.9	2.07	206	—	—	17	11	53	8	117	148	0.6
Handsworth	68,051	1,590	742	23.0	10.7	0.84	59	—	1	10	11	19	1	17	87	1.5
West Bromwich	69,786	2,297	1,146	32.4	16.2	1.82	129	—	1	26	20	26	3	53	139	1.7
Birmingham	558,357	16,143	9,028	28.4	15.9	1.86	1,053	—	60	75	106	308	49	455	144	3.8
King's Norton	78,608	1,977	832	24.7	10.4	0.88	70	—	4	12	23	8	6	17	85	3.6
Smethwick	68,416	2,153	930	31.0	13.4	1.53	106	—	—	21	8	30	4	43	134	1.1
Aston Manor	84,256	2,234	1,071	26.1	12.5	1.90	161	—	3	15	9	51	2	81	127	0.7
Coventry	78,889	2,629	1,234	32.8	15.4	1.10	88	—	3	7	7	22	1	48	95	1.9
Leicester	240,172	5,704	3,165	23.4	13.0	1.53	375	—	179	26	8	31	8	123	131	1.1
Grimsby	71,800	2,313	1,053	31.7	14.4	1.46	107	—	10	6	12	6	14	59	139	1.3
Nottingham	260,449	7,037	4,030	26.6	15.2	1.25	332	—	31	11	30	62	29	169	145	0.7
Derby	127,583	3,356	1,693	25.9	13.1	0.95	122	—	20	2	36	15	5	44	112	—
Stockport	102,339	2,885	1,895	27.7	18.2	2.45	254	—	63	10	13	32	7	129	168	0.2
Birkenhead	119,830	3,824	1,919	31.4	15.8	1.88	229	1	43	7	13	61	11	93	136	0.8
Wallasey	68.849	1,763	949	25.2	13.6	1.51	106	—	28	12	8	25	5	28	102	1.2
Liverpool	753,203	24,289	14,686	31.7	19.2	2.19	1,676	—	257	215	133	347	81	643	141	2.7
Bootle	68,248	2,169	1,265	31.3	18.2	2.50	173	—	31	20	15	40	5	62	147	3.5
St. Helens	93,812	3,311	1,498	34.7	15.7	1.52	145	—	—	30	17	7	13	78	122	3.3
Wigan	89,636	2,987	1,639	32.8	18.0	1.88	170	—	6	9	10	28	27	90	156	0.1
Warrington	71,268	2,369	1,235	32.7	17.0	2.41	175	—	27	16	15	61	11	45	134	4.4
Bolton	185,358	4,608	2,910	24.5	15.4	1.70	319	—	4	21	18	79	37	160	148	0.4
Bury	59,064	1,379	949	23.0	15.8	1.22	73	—	18	2	9	7	4	33	129	1.3
Manchester	649,251	19,217	12,029	29.1	18.2	2·25	1,488	—	367	96	122	220	74	609	151	0.7
Salford	239,294	7,201	4,334	29.6	17.8	3.04	738	—	167	65	123	103	41	239	152	0.5
Oldham	142,507	4,058	2.873	28.0	19.8	2.50	363	—	82	28	22	54	12	165	159	0.1
Rochdale	88,821	2,219	1,660	24.6	18.4	2.18	196	—	64	8	17	25	9	73	168	2.3
Burnley	105,100	3,015	1,911	28.2	17.9	2.80	300	—	51	13	13	41	12	170	200	1.7
Blackburn	135,961	3,459	2,170	25.0	15.7	1.56	215	—	18	23	13	29	15	117	149	1.8
Preston	117,799	3,311	2,152	27.7	18.0	2.24	268	—	95	1	11	19	26	116	153	3.3
Barrow-in-Furness	62,312	1,897	828	30.0	13.1	1.09	68	—	8	1	5	22	5	27	111	3.3
Huddersfield	94,776	2,348	1,646	24.4	17.1	1·61	155	—	67	3	9	14	10	52	111	1.0
Halifax	111,018	2,141	1,592	19.0	14.1	1.01	113	—	37	3	12	31	12	18	101	1.4
Bradford	292,136	5,995	4,615	20.2	15.5	1.36	404	—	72	13	41	56	30	192	143	0.2
Leeds	477.107	12,103	7,412	24.8	15.3	1.49	728	—	179	14	46	138	25	326	137	0.1
Sheffield	463,222	14,467	7,457	30.7	15.8	1.85	867	—	109	37	37	248	26	410	140	2.5
Rotherham	63,736	2,123	1,038	32.8	16.0	2.88	186	—	52	3	7	38	17	69	148	1.6
York	85,861	2,192	1,102	25.1	12.6	1.14	100	—	27	4	7	10	8	44	104	0.1
Hull	271,137	8,327	4,456	30.2	16.2	2.19	605	—	96	3	50	57	23	376	145	0.8
Middlesbrough	103.511	3,776	2,080	35.9	19.8	3.47	365	—	103	5	33	9	17	198	158	1.0
Stocton-on-Tees	53,160	1,706	970	31.6	18.0	2.70	146	—	71	—	8	33	6	28	152	1 4
West Hartlepool	77,573	2,083	944	26.4	12.0	0.72	57	—	7	—	11	19	5	15	113	0.5
Sunderland	157,693	5,286	2,840	33.0	17.7	1.86	296	—	25	6	27	118	15	105	146	2.3
South Shields	115,535	3,531	1,817	30.1	15.5	1.69	197	—	32	9	23	50	7	76	134	4.6
Gateshead	128,393	4,027	1,948	30.9	14.9	1.90	248	—	17	5	26	68	4	128	148	5.4
Newcastle-on-Tyne	277,257	8,379	4.505	29.7	16.0	1.26	354	—	31	10	35	134	14	130	136	0.3
Tynemouth	55,244	1,925	983	34.3	17.5	1.61	90	—	17	2	6	20	4	41	137	2.5
Newport (Mon.)	76,955	2,552	1,263	32.6	16.1	1.28	100	—	4	7	15	42	7	25	134	0.6
Cardiff	191,446	5,172	2,521	26.6	13.0	1.10	214	—	5	10	22	47	7	123	125	0.1
Rhondda	133,137	5,454	2,487	40.3	18.4	3.49	474	—	103	7	29	53	22	260	184	0.7
Merthyr-Tydfil	77,219	2,791	1,502	35.6	19.1	2.49	196	—	26	6	9	66	11	78	178	1.1
Swansea	97,810	3,289	1,844	33.1	18.5	1.58	158	—	44	7	4	24	1	78	151	0.2
Darwen	42,266	895	550	21.2	13.0	0.76	32	—	—	2	2	4	—	16	120	1.8

Farms and Dairies.

These are kept constantly under close supervision by the Inspectors.

We shall never have a perfectly pure and wholesome milk supply until the farmers become more cleanly. As one said to me " How can the milk be good when men and utensils are abviously dirty "

I present the following scheme as a solution of the present difficulty :—

Divide the Borough into two districts, map out the land, under expert advice, into sections for grazing, hen runs, pigs, fruit trees, grass and stock raising. Build in each district suitable farmsteads with cow-sheds and dairies on the most approved principle, select the cattle for milking purposes, and subject each one to the Tuberculin test at regular periods, sterilize the milk, and then after cooling it to the proper temperature, bottle it in stoppered bottles of a suitable size for feeding purposes. The bottles might even be made to hold the right amount of milk for babies of different ages, and to which a rubber teat might be fixed.

The houses could be mapped in areas, so that two or more carts or floats would not need to carry milk into one street. This would result in great economy of distribution, and the centralization of the cows and milking would reduce the cost of working, with the cultivation of the land so that not a square yard need be lost, and the formation of shelters by planting trees would make it a profitable undertaking, and introduce fruit into the district.

Factories and Workshops.

These are under the direct control of His Majesty's Inspectors. The question of Half-Timers I have discussed elsewhere.

Black Smoke.

The introduction of Mechanical Stokers and the watchfulness of the Inspectors have tended to clear the air of Darwen.

Schools.

A full report on the whole of the Schools in the Borough in regard to the lighting and ventilation, with numerous recommendations for the improvement thereof, was issued some time ago, by Mr. Smith-Saville and myself.

This report does not concern itself with these questions, as they have been remedied as far as possible in the present school buildings. There are, however, certain conditions which have struck me in the course of my examination of the children, and which should receive the attention of the Management Committee. A great many of the school buildings are used for night school purposes or continuation classes, and for entertainments, probably on Saturday evenings, so that there is little spare time for the rooms to be cleared up. This leaves them in a most untidy state, accumulated dust covers the ledges everywhere upon which it can settle. The floors are dirty with what is brought in on the shoes and clogs of the children. This is particularly noticeable where the playground is—instead of being flagged or paved, covered with ashes. For sanitary reasons the school rooms should be kept scrupulously clean, serving as an object lesson to the children, many of whom do not get much idea of domestic cleanliness and economy in their home life.

TABLE I. gives the average age, height and weight of boys and girls in each school in the borough. These again are averaged at the foot of the columns, showing that for the combined schools. This again is compared with the average of a large number of children measured and weighed at different age periods. The figures show the average as calculated for the same age as the school children.

As might be expected in a manufacturing centre, the average height for males is 1.80 inch less and the weight 7.79 lbs. less than normal, females are 1.95 inch shorter and 11.40 lbs. less than the average for half-timers.

For those not half-timers the males are 1.71 inch shorter and 6.49 lbs. less, and the females 1.49 inch less and 4.19 lbs. lighter than the average or normal heights and weights. It will be noticed that the half-timers are more unfavourable in this respect than those who have not begun work, how far the early rising and confinement of occupation have influenced these irregularities it is impossible for me to say. I am certainly not in agreement with those medical men who argue that boys and girls of twelve years would be better in health if sent to work before six o'clock in the morning. I cannot understand children spending so many hours in the mill in a morning being able to concentrate their minds on lessons in the afternoon. A step in the direction of ameliorating this state of things would be for the morning half-timers to begin work at the mill at half-past eight instead of at six o'clock, one point which should have been included in the Childrens' Bill with good results, would have been to restrict children being in the streets after a certain time in the evening. It is impossible for them to be vigorous, and grow as they should do, when their sleep is limited, notwithstanding the vitiated state of the atmosphere in the majority of bedrooms. There is certainly a greater tendency to keep bedroom windows open than formerly, especially during the summer nights.

DISEASES.

Blepharitis or inflamed eyelids is evidently a very common condition in school children, 132 children being thus afflicted, if not treated, in its early stage leads to loss of eyelashes and inflamation of the eyes, yet the remedy is not difficult. So much depends on careful attention, cleanliness, and the application of suitable remedies

In all cases of disease of children, in my opinion, the course we adopt is the proper one. To send out notices to the parents pointing out the particular defects which have been found in their children, and asking them to consult with their own medical advisers, with a view to a proper course of treatment, and resultant cure.

Defective Sight, of which there are 297, to which may be added 93 who have strabismus or squint. The latter trouble is so frequently the result of unequal vision, that a correction of this defect will cure the squint. I mean the correction by means of glasses. The number of children using glasses is 67, is principally the result of certain defects, being ascertained and pointed out to the parents by Miss Glass, who has indicated the dangers of delay, and the difficulty of children suffering in this way keeping up with their educational advantages.

Defective Hearing and Cerumen. 100 Cases.

Discharging Ears, 120. All point to the necessity of paying careful attention to the state of the ears. These cases should certainly be under medical treatment, because of the danger of setting up septic meningitis, with fatal results, and the difficulty of giving attention to lessons when there is any defective hearing.

A further complication resulting from a continued discharge is in setting up inflammation and suppuration in the mastoid, the bone behind the ear, with the consequent necessity of an operation.

Backward Children, numbering 75. These have been pointed out by the Teachers, and reminds one of the fact that some time ago I brought it before the notice of Mr. Bretherick, with a view to getting out a list of all their names, so that I can make a thorough examination of these children, and suggest the course of instruction suitable for them. With these may be combined the children with defective speech and stammerers. Probably the latter forms a large proportion of the number, of which there are 73, almost the same number as of backward children.

I purpose, when time permits, to compare the names of the stammering children I come across during the medical examination, with the list of those taken in hand by Mr. Yearsley, so that I can note the results of his method. One point to be considered is how far the teaching has been kept up in the homes of the scholars. Unless this has been done it is useless to expect the benefits to be maintained. I think a second course might be commenced with the children who did not have the benefit of the first course, and that their parents might be invited to be present to see what is necessary for home instruction.

Abcess of Leg. This was a boy from the Bolton Road district, whose home was visited on many occasions by Miss Glass. She was recived by the boy's mother with most insulting language. The boys condition was clearly pointed out, as well as the necessity of sending him to Blackburn Infirmary. This the mother promised to do, but when the nurse called a few days later to see if this had been done, the house was found to be empty, and information obtained that the family had removed to Rochdale.

I wrote to the Clerk of the Education Committee in that town giving full particulars, so that the boys career could be followed up, but I heard later that this had been unsuccessful. We shall probably come across them in Darwen during the course of our inquiries.

Adenoids. These should be removed as early as possible, and for this purpose the cases submitted to the family doctor. It is certainly not equitable to either the medical men of the town nor to the ratepayers who would have to pay for treatment in the event of the work being done by specialists.

The reason for the early removal of the third tonsil, which the presence of adenoids really means, is, or should be patent to all. The posterior nasal passage is almost blocked by the adenoids from birth. This results in mouth breathing becoming an established habit, causing the child to acquire an almost imbecile expression. More or less deafness ensues, which accentuates the hopeless expression, and makes it difficult for the child to hear everything distinctly. It is very important that the two avenues of knowledge—the eyes and the ears—should be as acute and receptive as possible, and where the cause of slight deafness is an accumulation of wax it seems absurd that this should remain, although its removal is a simple matter it should not be undertaken by an inexperienced person, owing to the ease with which the drum is perforated.

Diseases of the Heart. This is the only point upon which I have any doubt. I came across very few indeed with real heart trouble, and in these instances I reported to the Head Master the fact, and suggested the proper course of gymnastic exercises.

Miss Glass visited the schools first and made a preliminary examination of the children. She had them in batches in a room, very often a room most unsuitable for the purpose, and most unsanitary to have a number of children for any length of time, the accumulation of vitiated air from lung exhalations, and the odours of not over clean clothing and bodies, quickly produced a headache. There should be some better provision made for our use when examining the children· In many schools we have to disturb a class to make room for our work. This upsets the teacher and children without giving us the best kind of accommodation we need.

Enlarged Tonsils. Like Adenoids form an obstruction to breathing, compelling the mouth to remain open. This causes early decay of the teeth, and predisposes to catarrh of the lungs and other complications. Slight deafness ensues, creating a difficulty in hearing the teacher. Such children should be referred to the family medical attendant for treatment. It is not necessary to remove much of the gland, as when a portion is cut away the remainder contracts in healing, and enlarges the pharyngeal opening.

Skin Diseases. The most striking feature is the discrepancy between the number of cases of Eczema and Ringworm. The larger number of boys affected with Ringworm more than girls is probably due to the ease with which the boys exchange caps. A few years will see this disagreeable complaint wiped out. The large number, 57, suffering from eczema is almost a disgrace to the town. In the first instance it is the result of want of attention. The natural secretions of fat and sweat combined with dirt, set up a seborrhœa, and this with the continued irritation causes eczema, so that with increasing cleanliness these skin affections will disappear.

Incontinence of Urine. Children with this complaint should not be permitted to attend school. It is obvious there must be a most unpleasant odour associated with it, making it most unpleasant for all in the class. If there is room for improvement in any direction it is in that of increased cleanliness.

The School Nurse and I use every precaution not to carry and spread infection among the children. We use an antiseptic lotion for the metal tongue depressor and our fingers. Also a separate piece of cotton for each child. Everything is either burnt, washed, or boiled after each days operation. The children are instructed in personal hygiene, such as washing the teeth, etc, yet good as this is as an object lesson, when such work has to be done in dusty and dirty rooms, the walls rough and holding dirt, a general want of tindiness throughout, much of our work I am afraid falls on stoney ground. We want hot water, which is to be got in only one or two schools, lavatory basins and clean towels. The Master and Mistresses should have instructions to send children back home when not clean.

In concluding this report, I beg to thank the members of the Health Committee and the Education Committee, also the officials directly concerned in the Sanitary Department for much valuable help. I might mention in particular Mr. John Cook in the Health Office.

I am

Gentlemen,

Your obedient servant,

F. G. HAWORTH.

TABLE I.

School.	Half Time.												Not Half-Time.											
	Males.						Females.						Males.						Females.					
	Age.		Height.		Weight.		Age.		Height.		Weight.		Age.		Height.		Weight.		Age.		Height.		Weight.	
	Yrs	m'hs	Ft	Ins.	st.	lbs.	Yrs.	m'hs	ft.	ins.	st.	lbs.	yrs.	m'hs	ft.	ins.	st.	lbs.	yrs.	m'hs	ft.	ins.	st	lbs.
Belgrave	12	11	4	6.11	5	3.12	13	1	4	7.43	5	6.68	11	3	4	3.84	4	8.28	10	11	4	2.61	4	2.31
Blackburn Road	12	5	4	5.67	4	13.89	12	6	4	5.98	5	1.82	9	8	4	0.57	3	13.59	9	10	4	0.57	3	12.30
Blacksnape	12	8	4	5.00	4	11.60	12	3	4	9.00	5	5.00	9	1	4	0.00	3	12.25	9	3	3	11.71	3	10.19
Bolton Road	12	8	4	5.66	5	1.66	12	1	4	6.06	5	0.94	9	5	4	1.01	4	0.84	8	8	4	0.11	3	8.72
Duckworth Street	12	4	4	5.19	4	13.93	12	5	4	6.22	4	13.11	9	5	4	0.04	3	13.87	9	3	3	11.35	3	9.43
Earcroft	12	7	4	8.40	5	12.80	12	6	4	8.94	5	9.31	9	7	4	2.36	4	2.91	9	5	4	1.05	3	12.30
Highfield............	12	9	4	5.02	5	0.30	12	9	4	6.72	4	10.48	10	2	4	2.18	4	6.39	9	9	4	0.82	4	0.39
Hollins Grove ...	12	5	4	7.50	5	3.50	12	3	4	8.67	5	2.60	8	11	4	0.70	4	0.87	7	9	4	0.32	3	11.02
Holy Trinity	12	6	4	4.19	4	13.34	12	7	4	5.78	4	12.39	10	11	4	2.25	4	6.39	9	5	4	2.01	4	1.96
Lower Chapel......	12	6	4	5.69	5	1.16	12	9	4	5.41	4	12.79	9	10	4	0.70	4	0.20	10	0	4	0.73	3	12.79
St. Cuthbert's ...	12	6	4	7.10	5	4.40	12	7	4	7.30	5	1.80	9	11	4	2.40	4	4.60	9	9	4	1.89	4	1.67
St. George's	12	5	4	6.79	5	3.13	12	5	4	5.94	4	13.71	10	1	4	2.16	4	2.49	10	3	4	2.71	4	2.70
St. Edwards'	12	3	4	6.09	5	2.73	12	5	4	6.12	5	1.62	9	7	4	0.42	4	0.61	9	4	4	1.84	4	1.84
St. James's.........	12	7	4	6.64	4	13.54	12	6	4	7.60	5	1.50	9	8	4	1.44	3	12.75	9	8	4	1.45	3	12.39
St. John's Central	12	4	4	7.51	5	6.31	12	5	4	9.32	5	0.09	9	10	4	2.53	4	3.33	9	8	4	2.19	3	13.58
St. John's Culvert	12	7	4	5.76	5	1.72	12	6	4	5.78	4	13.98	9	9	4	1.18	4	3.05	9	11	4	1.33	4	1.41
St. Joseph's	12	3	4	4.91	4	12.56	12	6	4	4.26	4	12.01	9	7	3	11.62	3	11.86	9	10	3	10.94	3	11.04
St. Paul's	12	4	4	6.68	5	2.78	12	3	4	7.43	5	2.29	8	10	4	0.09	3	12.76	9	2	4	0.43	3	10.83
Sandhills'	12	7	4	8.85	5	8.71	12	5	4	7.28	4	12.44	9	5	4	2.11	4	0.77	9	0	4	0.93	3	11.19
Hr Grade	...	...	...	...	...	...	...	...	...	...	...	...	12	5	4	8.59	5	8.48	12	2	4	8.55	5	6.36
Averages ...	12	6	4	6.25	5	2.48	12	6	4	6.91	5	1.18	9	10	4	1.71	4	2.81	9	8	4	1.38	4	0.02
Average for United Kingdom.			inches. 54 25 56.05		lbs. 72 48 80.27				inches. 54 91 56.86		lbs. 71 18 82.58				inches. 49.71 51.42		lbs. 58.81 65.30				inches. 49.38 50.87		lbs. 56.02 60.21	
Difference ...			1.80		7.79				1.95		11.40				1.71		6.49				1.49		4.19	

TABLE II.

MALES.

School.	No. of Scholars Examd.	Clothing and Footgear.			Nutrition.			Cleanliness and condition of skin.								Teeth—Number Decayed.											
								Head				Body															
		Good	Fair	Bad	Good	Fair	Bad	Good	Fair	Bad	Nits	Good	Fair	Bad	Sores	Good	1	2	3	4	5	6	7	8	9	10	Gen'ly Bad
Belgrave	156	139	6	11	152	4	...	150	6	...	...	148	6	...	2	15	28	41	37	18	9	5	1	2	...	...	...
Blacksnape	47	37	6	4	42	5	...	41	5	...	...	40	4	...	2	13	4	9	6	5	3	2	1	1	1	...	...
Blackburn Road	105	94	7	4	97	5	...	101	3	...	...	101	3	...	...	16	19	21	13	10	12	8	1	1	...	...	...
Bolton Road	167	137	15	15	147	20	...	142	19	...	...	143	18	...	...	39	18	47	17	11	4	3	...	...	...	...	7
Central Council	69	56	4	8	60	7	...	52	13	...	1	50	15	...	1	11	7	9	11	14	6	6	1	1	...	...	...
Duckworth Street	106	90	6	10	97	8	...	95	11	...	...	93	11	...	3	8	21	25	24	11	9	3	1	...	1	...	...
Earcroft	53	49	4	...	47	3	...	51	1	...	...	51	1	...	...	10	11	10	8	7	3	3	...	...	...	...	...
Highfield	114	103	3	8	107	5	...	98	8	...	...	98	8	...	...	23	14	26	17	10	7	4	2	...	...	...	1
Hollins Grove	89	83	2	4	87	2	...	87	1	...	...	87	1	...	1	13	19	18	17	12	7	...	....	...	...	...	1
Holy Trinity	205	165	22	16	185	18	2	176	10	14	1	175	12	13	3	27	26	41	32	43	14	12	2	...	...	1	...
Lower Chapel	161	132	10	18	154	7	...	134	13	9	...	134	14	7	1	36	25	27	25	18	13	4	2	2	...	...	1
St. Cuthbert's	59	55	3	1	58	...	...	54	1	...	...	52	2	...	1	15	4	14	8	10	1	4	...	...	...	...	...
St. George's	107	81	13	13	97	10	...	94	1	10	...	94	1	10	...	23	21	21	18	14	2	2	1	1	...	...	2
St. Edward's	74	60	6	6	70	1	...	66	2	2	...	64	2	3	...	12	12	16	8	14	5	4	1	...	...	1	1
St. James's	181	164	12	4	176	4	...	169	10	1	...	166	9	1	5	26	19	47	37	21	5	5	2	1	...	...	1
St. John's Central	140	117	20	3	123	11	...	124	11	...	...	119	14	...	2	32	24	43	15	15	2	1	...	...	...	...	3
St. John's Culvert	127	112	11	4	113	13	...	105	12	...	...	102	15	...	...	48	13	22	15	7	...	1	...	...	...	...	8
St. Joseph's	212	169	22	21	197	13	1	195	9	1	...	190	14	1	4	59	32	45	30	21	8	7	...	...	...	...	4
St. Paul's	97	89	...	8	93	2	1	88	5	4	...	84	5	4	4	17	10	21	18	20	...	6	1	...	...	...	2
Sandhills	37	36	1	...	36	1	...	36	1	...	...	35	2	...	...	13	8	3	7	5	1	...	...	...	...	...	...
Vernon Street	49	43	4	2	46	3	...	41	8	...	...	42	7	...	...	28	...	8	4	3	3	...	...	...	...	...	...
Higher Grade	55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26	12	8	3	6	...	...	...	...	...	...	...
	2410	2011	177	160	2184	142	4	2099	150	41	2	2068	164	39	29	510	347	522	370	295	114	80	16	9	2	2	3

FEMALES.

School.	No. of Scholars Examd.	Clothing and Footgear			Nutrition			Cleanliness and Conditions of Skin								Teeth—Number Decayed.											
								Head				Body															
		Good	Fair	Bad	Good	Fair	Bad	Good	Fair	Bad	Nits	Good	Fair	Bad	Sores	Good	1	2	3	4	5	6	7	8	9	10	Gen'ly Bad
Belgrave	177	160	10	6	139	16	...	82	2	1	58	131	4	1	2	22	34	37	33	26	10	3	2	...	...	...	...
Blacksnape	33	24	7	2	28	4	1	18	3	...	12	27	5	...	...	12	1	8	7	4	1	...	...	...	...	...	...
Blackburn Road	141	130	1	8	135	5	...	82	2	...	57	134	3	...	...	30	16	32	29	21	4	3	2	...	...	...	1
Bolton Road	189	162	8	19	166	23	...	96	3	...	86	165	11	...	8	53	24	41	16	12	4	2	3	2	...	...	12
Central Council	75	62	9	2	65	7	2	33	6	1	33	56	13	2	...	13	17	15	7	7	3	3	3	1	...	1	1
Duckworth Street	98	92	5	1	95	3	...	50	2	...	46	95	2	...	1	12	17	23	21	5	9	3	4	...	...	...	...
Earcroft	44	43	1	...	44	...	...	21	...	...	23	42	...	...	...	12	10	4	6	4	3	3	...	2	...	...	...
Highfield	111	105	2	1	103	4	...	60	1	...	42	99	2	...	...	30	12	20	13	17	6	2	1	...	...	...	1
Hollins Grove	80	80	...	...	79	...	1	73	...	...	7	79	...	...	1	9	9	16	17	16	3	5	1	2	...	...	1
Holy Trinity	235	215	4	15	218	16	...	137	1	2	90	218	5	6	2	32	34	47	36	43	18	8	3	5	...	1	1
Lower Chapel	128	120	3	4	122	4	...	63	2	...	58	112	8	1	...	30	13	27	18	23	4	2	1	1	...	...	1
St. Cuthbert's	85	85	...	...	85	...	...	60	...	...	23	81	...	...	...	20	7	19	11	9	7	2	2	...	...	...	...
St. George's	112	104	5	3	105	7	...	50	...	...	59	102	2	1	...	25	13	31	17	17	3	2	...	3	...	...	...
St. Edward's	90	84	1	4	87	1	...	55	1	...	33	87	1	...	...	22	16	16	12	12	5	3	...	...	...	...	...
St. James's	138	133	4	1	134	4	...	73	3	...	60	131	4	...	1	60	9	15	16	19	5	4	3	...	1	...	1
St. John's Central	137	124	11	1	120	13	...	55	1	...	78	125	8	...	2	32	26	39	23	11	1	1	...	...	...	...	1
St. John's Culvert	142	131	9	2	127	13	...	50	3	...	77	112	16	...	1	72	22	18	9	5	...	1	...	1	...	...	6
St. Joseph's	224	172	28	23	190	31	...	60	1	...	158	169	23	3	6	75	42	46	21	24	2	1	...	...	...	...	9
St. Paul's	81	76	3	1	76	2	1	46	...	1	33	78	1	1	...	21	8	13	15	12	4	5	...	...	...	...	1
Sandhills	53	52	...	...	51	...	...	19	...	...	6	24	...	...	1	18	8	8	5	10	1	...	...	1	...	...	1
Vernon Street	70	58	10	1	63	6	...	36	10	...	24	53	14	...	2	43	1	10	6	7	...	2	...	...	...	...	...
Higher Grade	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	6	5	1	3	1	...	...	...	...	...	...
	2466	2212	121	94	2232	159	5	1219	41	5	1063	2120	122	15	27	650	345	480	339	307	94	55	25	18	1	2	37

TABLE III.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Eye.																																														
Blepharitis	2	5	4	2	2		4	7	1	5	2	7	1	1	5	3	3	1	4	12	4	2	2	1	1	1	1	4	2	3	2	4	1	4	6	7	5	3		1	3	4			55	77
Blind one Eye		2																	1														1		1						1				4	2
Bloodshot Eye		1																																											...	1
Defective Eyelids		1																																											...	1
Defective Sight	10	24	4	10	3	3	10	7	4	2	8	9	3	4	5	9	3	5	11	7	4	14	3	18	5	7	4	5	12	12	5	6	10	12	12	8	9	4				1	5		130	167
Diplopia		1																																											...	1
Eyes Ache							2																																						2	...
Film																										1																			...	1
Glasses	1	4	1	2				3	1		2	3			2	1			1	2	1		1	6	2			2	2	7		7	1	2	2		1	1	1		1	1	6		26	41
Habit Spasm																													1																1	...
Inflamed Eyelids																				1																									...	1
Inflamed Eyes																																					1								1	...
Nystagmus			1																			1											1												2	1
Ptosis		1																																											...	1
Strabismus	3	2	3	5	3		1	5	3		1		1		2		3	1	5	3	7	3	1	1	1		1	4	9		1	2	3	5	4	5			1		3	1			56	37
Sty																														1															...	1
Tremor	3																																												3	...
Twitching Eyelids								1											1																										1	1
Ulcer on Eye						1		1									1													1	1					3									2	6
Weak Eyes				1				1			1				1						1							1		1								1							3	5
	19	41	13	20	8	4	17	25	9	7	14	19	5	5	15	3	10	7	23	25	17	20	7	26	9	9	6	16	26	25	9	19	17	23	25	23	16	9	2	1	8	7	11	...	286	344

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Ear.																																														
Cerumen	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2
Defective Hearing	6	11	3	2	1	...	5	1	5	1	3	3	...	...	6	6	...	1	4	2	2	2	...	1	...	4	1	3	2	2	2	2	2	4	5	...	1	1	...	...	...	2	...	1	48	49
Earache	12	6	2	...	...	1	2	8	1	3	1	4	1	2	2	2	2	...	...	7	1	2	...	...	...	...	...	3	2	1	...	2	1	6	5	4	1	...	...	...	...	...	...	...	33	51
Earache & Discharge	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	4
Ear Discharge	8	7	3	...	...	...	6	2	1	2	3	5	2	2	1	3	3	1	5	5	4	...	2	5	3	4	1	...	3	2	2	3	6	8	6	3	...	2	...	...	...	...	...	...	59	54
Ear Noises	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...
Mastoid Operation	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
	26	26	8	3	1	1	14	11	8	6	7	12	3	4	9	11	8	2	9	15	7	5	2	6	3	8	2	6	7	6	4	7	10	18	16	7	2	3	...	...	...	2	...	1	146	160
Diseases of the Nervous System.																																														
Ataxic Gait	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Backward	1	3	...	...	2	1	...	1	12	15	...	...	1	1	3	2	...	...	3	1	1	2	4	3	3	1	1	...	4	1	2	1	1	...	1	...	1	...	...	...	...	3	...	...	40	35
Chorea	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	3
Epilepsy	...	...	1	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	3
Facial Paralysis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	
Fits	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1
Headache	1	4	...	...	...	...	...	2	...	1	3	...	...	...	1	1	...	1	4	1	1	...	...	4	...	...	...	1	3	1	2	...	...	...	2	...	1	...	...	...	...	2	...	...	18	18
Hydrocephalus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Infantile Paralysis	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	4	2

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Nervous System. – **(Con.)**																																														
Laryngismus Stridulus																																	1												1	...
Nervous																																	2	1											2	1
Paralysis of Leg										1																																			...	1
R. Hemiplegia																														1															...	1
Short and Paralised Left Leg																					1								1																2	...
Slight Paralysis	2							1																																					2	1
Torticollis (wry neck)					1				1							1						1															1								3	2
	4	8	2	...	4	1	1	5	13	17	4	1	1	1	4	4	...	1	9	2	4	3	5	8	4	1	2	2	8	5	4	1	5	2	3	1	4	...	1	...	...	5	...	...	82	68
Diseases of the Heart.																																														
Aortic Incompetence		1							1																																				1	1
Aortic Insufficiency																	1	1																											1	1
Defective Heart		4	1				3	2			1	1	1		1	1			10	10				1					1			1				2	2		1	2			1		22	24
Increased Action								1																																				1	...	2
Mitral Systolic		1		1			1			1	1					1			1	1	1	1				2		1				1				1								1	4	12
Pulmonary Systolic		1																																											...	1
	...	7	1	1	...	...	4	3	1	1	2	1	1	...	1	2	1	1	11	11	1	1	...	1	...	2	...	1	1	...	...	2	...	...	...	3	2	...	1	2	...	...	1	2	28	41

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of Lymphatic System																																														
Cervical Glands Enlarged									1																																				1	...
Enlarged Glands	1		2	1				4			1			1		1	1	2	4	1		2	1						1	2			1	1	1						2				15	15
Enlarged Submaxillary Gland								1																											1										1	1
	1		2	1				5	1		1			1		1	1	2	4	1		2	1						1	2			1	1	2						2				17	16
Diseases of Organs of Locomotion.																																														
Abscess on Leg																																			1										1	...
Bow Legged											3																			1		1		1								2			3	5
Ganglion on Wrist																			1																										1	...
Growth on Left Hand	2																																												2	...
Hammer Toe			1																																										1	...
Hip Curvature																																				1									...	1
Hip-Joint Disease											1																					1													1	1
Lump on Wrist											1																			1															1	1
Lame							1								1	1																				2									2	3

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
•	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of Organs of Locomotion.—(Con.)																																																
Malformation of Finger	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Pain—Left Leg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...
Pustules on Arm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Shortening of Limb	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	3
Sore Ankle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Spine Curvature	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Swollen Knee	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Talipes (Club Foot)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2
Tubercular Ankle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Tubercular Hip	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Weak Spine	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Webb Fingered	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	2	1	1	1	...	...	2	...	...	1	5	1	...	...	2	4	...	1	1	...	1	1	...	...	...	...	1	2	...	2	...	2	...	1	2	5	1	...	...	...	...	2	...	...	18	24
Defective Speech.																																																
Aphonia	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Defective Speech	...	4	...	1	...	...	...	...	5	2	1	...	...	1	...	1	...	...	1	...	1	2	3	...	...	...	...	...	5	...	...	2	...	1	...	1	...	...	...	...	2	2	...	...	18	17
Stammer	2	...	2	1	1	...	1	1	...	...	3	...	3	...	2	...	2	...	1	...	...	...	1	1	1	...	3	...	1	...	1	...	3	...	4	2	...	...	...	...	1	1	...	...	32	6
	2	4	2	3	1	...	1	1	5	2	4	...	3	1	2	1	2	...	2	...	1	2	4	1	1	...	3	...	6	...	1	2	3	1	4	3	...	...	...	...	3	3	...	...	50	24

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Nose.																																														
Adenoids	1	2	3	2	1	...	...	...	1	2	1	...	1	...	5	2	1	...	2	3	2	...	...	2	4	...	...	...	...	1	...	1	5	...	1	1	...	...	...	1	...	1	...	...	28	18
Nasal Paralysis	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Post Nasal Discharge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	1	2	3	2	1	...	1	...	1	2	1	...	1	...	5	2	1	...	2	3	2	...	...	2	4	...	...	...	...	1	...	1	5	...	1	2	...	...	...	1	...	1	...	...	29	19
Diseases of Respiratory System.																																														
Bad Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Phthisis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	2
Slight Cough	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	4
Diseases of the Digestive System.																																														
Constant Vomiting	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Enlarged Throat	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Gastric Pain	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Gastric Trouble	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Digestive System.—(Con.)																																														
Hernia							1						3						1																1										3	...
Enlarged Tonsils	8	26	10	12	4	1	13	22	12	21	16	13	9	2	5	6	8	3	10	21	6	15	6	7	12	22	3	6	10	11	10	13	8	4	9	21	3	3	5	11	4	2	11	4	176	246
Inflamed Tonsils																																								1					...	1
Lump on Lower Jaw					1																																								1	...
Pain—Transverse Colon			1																																										1	...
Rectal Fistula																																									1				1	...
Sickness																									1																				1	...
Tonsils Removed																				1																		2		1					...	4
Tonsils Honeycombed	1																																												1	...
	10	26	11	12	5	2	14	22	12	21	17	13	3	2	5	6	8	4	11	22	6	15	6	7	13	22	3	6	10	11	10	13	8	4	10	21	3	5	5	13	5	2	11	4	186	253
Diseases of the Skin.																																														
Acne																														1															...	1
Eczema	2	4		3				5		3	1	1			1	1	1		1	5	1	4	1			4			2	3	1	1	1	2	2	3	3					1			17	40
Eczema and Pediculi																										1																			...	1
Head Scurfy																																1													...	1
Herpes		1																																											...	1

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St. John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the Skin. (Continued).																																														
Impetigo	1																													1				1											1	2
Ringworm	2	2					1	2	2		1						1		2		1								5	1					1	1	1					1			17	7
Ringworm & Scurvy		1																																											...	1
Seborrhœa																														1															0...	1
Ptyiasis																														1															...	1
Urticaria																								1																					...	1
Warts		1					1				2								1	2	1		1				1		2	1	1														10	4
	5	9	...	3	...	...	2	7	2	3	4	1	...	...	1	1	2	...	4	7	3	4	2	1	...	5	1	...	9	9	2	2	1	3	3	4	4	...	...	...	...	2	...	...	45	61
Diseases of Urinary System.																																														
Incontenence of Urine															1	2			1											1															2	3
P. S. Nephritis																													1																1	...
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckwerth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Other Diseases and Conditions.																																														
Anæmia					1		1					2			2											1		1						1								1		1	4	7
Aphonia																															1														1	...
Cleft Palate																			1																										1	...
Cleft Palate and Lip													1																																1	...
Cyanosis																				1						1																			...	2
Dandruff																																				1									...	1
Discharging Sinus																																			1										1	...
Dizziness																								1																					...	1
Dwarf	1																																												1	...
Enlarged Uvula										1																																			...	1
Frequent sore Throat																								1																					...	1
Had Tubercular Ankle																					2																								2	...
Hæmatocele Cheek			1																																										1	...
Hair Dry																																										1			...	1
Head Abnormally Large																				1												1													...	2
Hoarse		1	1	1			1																											1	1										3	3
Lump above Eye																					1																								1	...
Lupus Cheek																									1																				1	...
Necrosis of Rib																																				1									...	1

TABLE III.—Continued.

	Belgrave.		Blackburn Road.		Blacksnape.		Bolton Road		Central Council.		Duckworth Street		Earcroft.		Highfield.		Hollins Grove.		Holy Trinity.		Lower Chapel.		St. Cuthbert's.		St. George's.		St. Edward's.		St. James's.		St John's Central.		St. John's Culvert.		St. Joseph's		St. Paul's		Sandhills.		Vernon Street.		Higher Grade.		Total.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Other Diseases, etc. (Continued).																																														
Obscure Pains																							1																						1	...
Offensive Breath												1														1																			...	2
Pain—Left Side																											1																		1	...
Pediculi in Head												1																																	...	1
Pot-Bellied												1																																	...	1
Rheumatism																													1																...	1
Rickets		1			1				1	2											2				1		1	1	1	1		1	1									1			8	7
Scar on Face (burn)																																				1									1	...
Scurvy																				1																									...	1
Snuffles																						2																							...	2
Sore Head																					1									1															1	1
Sores on Body														2															3																3	2
Spots on Body																																	2												2	...
Teeth Crooked (insufficient room)																				1																									...	1
Vaulted Roof of Mouth		1																																											...	1
Weak		1																																											...	1
Whooping Cough																																									1				1	...
	1	4	2	1	2	...	2	...	1	3	...	5	1	2	2	...	...	...	1	4	6	2	1	2	2	3	2	2	4	3	1	2	3	2	3	2	...	...	...	...	1	3	...	1	35	41

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1908, FOR THE BOROUGH OF DARWEN.

On the Administration of the Factory and Workshop Act, 1901, in connection with

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of Inspections.	Number of Written Notices.
Factories (Including Factory Laundries) and Workshops (including Workshop Laundries)	32	2
Workplaces	924	69
Homeworkers. Premises	5	0
	961	71

II.—DEFECTS FOUND.

Nuisances under the Public Health Acts—

Particulars.	Number of Defects. Found.	Remedied.
Want of Cleanliness	22	22
Want of Ventilation	5	5
Overcrowding	2	2
Want of Drainage of Floors	9	8
Other Nuisances	7	7

Particulars.	Number of Defects. Found.	Remedied.
Sanitary Accommodation—		
Insufficient	6	6
Unsuitable or Defective	6	6
Not Separate for Sexes	—	—
Offences under the Factory and Workshop Act—		
Breach of Special Sanitary requirements for Bakehouses	—	—
Total	57	56

IV.—REGISTERED WORKSHOPS.

Workshops on the Register at the end of the year	273

V.—OTHER MATTERS.

Class	Number
Matters notified to H.M. Inspector of Factories :—	12
Failure to affix Abstract of the Factory and Workshop Acts (133)	4
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s 5)—	
Notified by H.M. Inspectors	6
Reports (of action taken) sent to H.M. Inspector	10
Other	8
Underground Bakehouses :—	
In use at the end of the year	7

F. G. HAWORTH,

Medical Officer of Health.

INFECTIOUS DISEASES HOSPITAL.

Patients in Hospital during 1908.

Name.	Address.	Age	Disease.	Ad-mitted	Discharged.	Days.
		Yrs		1907.	1908.	
John Whittle	13, Joseph St. West	11¾	Scarlet Fever.	Nov. 27	Jan. 31	65
Sarah J. Whittle	13, Joseph St. West	19	do.	Dec. 3	Jan. 18	46
May Brocklebank	14, Maria St.	3½	do.	Dec. 3	Jan. 18	46
Lily Pinder	5, Perry St.	25	do.	Jan. 21	Mch. 5	44
Edgar E. Baldock	28, Green St.	5½	do.	Mch. 24	May 9	46
Sylvester O'Hare	11, Dover St.	9	do.	Sept. 8	Oct. 29	51
Thomas Coleman	9, Derwent St.	7	do.	Sept. 22	Died Oct. 14	22
Doris Coleman	9, Derwent St.	3	do.	Sept. 25	Died Oct. 2	7
Michael Coleman	9, Derwent St.	1½	do.	Sept. 28	Nov. 17	50
William Riding	5, Everton St.	8	do.	Oct. 6	Nov. 28	53
Junita M. Riding	5, Everton St.	5¼	do.	Oct. 6	Nov. 28	53
Donald James	427, Blackburn Rd.	10½	do.	Oct. 28	Dec. 18	51
Eleanor Holme	3, Hannah St.	4	do.	Nov. 23	Jan. 20	58
Elizabeth Holme	3, Hannah St.		do.	Dec. 7	Jan. 20	44
Elsie Leigh	4, Highfield Rd.	5	do.	Dec. 14	Jan. 13	30

TABLE (C).

COUNTY OF LANCASTER.

SUMMARY OF

Medical Officer's Report for 1908.

URBAN SANITARY DISTRICT OF DARWEN.

Area in Statute Acres	5,919
Population (Census) 1901	38,212
Population (Estimated) 1908	42,266

Name of Medical Officer of Health—FRED GEORGE HAWORTH, M.B.C.M., D.P.H. Salary, £250.

	Males.	Females.	Total.
Births Registered	444	451	895
Deaths Registered (Nett Deaths belonging to the District)	270	280	550

Number of Illegitimate Births Registerd, 18. Deaths of Illegitimates under one year of age, 6.

Birth Rate, 21.17. Death Rate, 13.01. Rate of Infant Deaths, under one year, to 1,000 Births, 120.

Death Rate from the seven principal Epidemic Diseases per 1,000 of population, 0.76.

Diseases prevalent ?—Scarlet Fever, and Enteric Fever slightly. Period ?—Whole year.

What Action taken ?—Isolated in Hospital where possible. Any Schools Closed ? —No

What is the character of the Hospital Accommodation ?—Isolation. Is it Joint or otherwise ?—No.

Number of Beds available for your District ?—For Small-pox, 2. For other Infectious Diseases, 20 and 4 cots.

Number of Cases removed ?—Scarlet Fever, 12.

Deaths in Hospital ?—Two. From what cause ?—Scarlet Fever.

How is Disinfection carried out ?—Houses, Sulphur chiefly ; Clothing, Bedding, etc., Superheated Steam. Apparatus used ?—Washington Lyon's. Where situated ?—Bull Hill Hospital (used for all purposes).

Number of Cases of Infectious Disease Notified ?—77.

Are any Diseases not specially mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox.) ? If so, what are they ?—No.

Has any arrangement been made for the " voluntary " notification of Phthisis ?—No.

Is Diphtheritic Anti-toxin supplied to Medical Practitioners free of charge ?—No. Supplied at Cost Price.

Action taken under " The Housing of the Working Classes Acts "—

No. of Houses condemned ?—None.

Closed ?—None.

Demolished ?—None.

Made habitable ?—None.

From where is the Water Supply obtained, and what is its condition ?—Upland Surface Water. Good. Is it subject to your inspection ?—Yes.

Is Scavenging carried out satisfactorily ?—Yes. By Sanitary Authority or Contract ?—Sanitary Authority.

How is the refuse disposed of ?—Burnt in Destructor (Meldrum's). Has a Destructor been provided ?—Yes.

What is the character of Drainage and the form of Sewage Disposal,?—Combined System, Bacteriological Treatment.

Canal Boats (Number Inspected, etc.) ?—None.

What is the condition of the Bakehouses ?—Good.

Slaughter-houses : Good. Has a Public Abbatoir been provided ?—Yes.

Lodging Houses ?—Good. Municipal Lodging House only.

What is the Sanitary Condition of the Schools ?—Good.

Dairies, Cowsheds, and Milkshops : Are they periodically inspected ?—Yes.

What is their condition ?—Good.

Have Regulations been made under the Order of the Local Government Board ?—Yes.

Are they enforced ?—Yes.

What amount of air space in cubic feet is required for each cow ?—600. cubic feet.

Food unfit for Human Consumption : Amount seized ?—2 Beasts, 21 Sheep, 8 Swine, 2 Pigs' Heads, Internal Organs of 3 Beasts, 2 tons, 12 cwt. of offallings, 25 lbs. Venison.

DEPARTMENT OF INSPECTORS OF NUISANCES.

Number of Notices served ?—(Legal) 493.

Nuisances remedied ?—822.

Number of Legal Proceedings taken and result ?—None.

CLOSET ACCOMMODATION OF THE DISTRICT.

Number of Privy Middens ?—None.

Pail Closets ?—6,150.

Fresh Water Closets ?—1,598.

Waste Water Closets ?—2,243.

Number of Privy Middens converted during 1908 ?—

To W.C.'s—None.

To Pails, etc. ?—None.

SMOKE.

Number of Observations ?—275.

Number of Legal Proceedings taken and result ;—Six. Six Orders to abate.

What is the time limit allowed for the emission of black smoke per hour ?—One, two, or three boilers—five minutes per hour ; four or more boilers—seven minutes per hour.

Has the Authority adopted—

(a) " The Infectious Diseases (Prevention) Act, 1890 " ?—Yes, except Sections 5 to 11 inclusive and 15.

(b) " The Public Health Acts Amendment Act, 1890. " ?—Yes, except that relating to music and dancing.

(c) " The Public Health Acts Amendment Act, 1907 ?—No.

(d) " The Notification of Births Act, 1907 ?—Yes.

STATISTICS FROM LANCASHIRE LARGE TOWNS.

TOWN.	Estimated Population 1907	Birth Rate (per 1,000)	Death Rate (Crude)	Death Rate (Corrected)	Zymotic Death Rate	Respiratory Death Rate	Phthisis Death Rate	Death Rate from other Tubercular Diseases	Infantile Death Rate per 1,000 births	Cancer Death Rate
Accrington	46,000	22.00	...	14.39	1.82	2.58	0.78	0.50	137	0.82
Ashton-under-Lyne	45,798	26.7	...	19.0	1.7	3.4	1.4	0.4	183	0.7
Barrow-in-Furness	706,034	26.34	11.64	...	1.21	2.11	0.9	0.42	111	0.51
Blackburn	135,278	25.2	16.5	15.9	1.7	3.0	1.0	0.5	149	0.7
Blackpool	59,741	17.54	14.73	12.72	1.12	1.77	0.79	0.28	128	0.85
Bolton	182,917	24.6	15.5	17.5	1.69	2.84	1.16	0.51	148	0.65
Bootle	70,500	30.9	...	17.3	2.3	...	1.4	...	143	...
Burnley	105,100	28.2	...	17.9	3.06	3.36	1.2	0.61	201	0.78
Lancaster	46,600	24.02	12.33	12.33	1.22	2.01	0.81	0.33	89	0.79
Liverpool	753,203	31.7	18.5	19.7	2.4	4.1	1.5	0.5	140	0.7
Oldham	142,507	28.4	21.1	20.1	2.6	3.7	1.5	...	159	...
Rochdale	88,820	24,78	18.44	18.38	2.40	2.97	1.37	0.50	168	1.02
Salford	239,294	29.8	17.9	...	3.00	3.5	1.6	0.7	153	0.7
St. Helens	93,812	35.29	15.3	16.0	1.32	3.14	1.20	0.83	122	0.59
Southport	53,318	16.84	12.94	13.24	0.49	1.41	1.03	0.28	104	1.07
Wigan	92,114	31.85	18.56	16.97	1.85	3.61	0.81	0.83	154	0.41
DARWEN	42,266	21.17	11.90	13.01	0.76	2.34	0.59	0.35	120	0.83

I take this opportunity in presenting my Report to acknowledge the very great kindness, consideration, and help which I have at all times received from the Members of the Health Committee, and from all the Officials of the Corporation.

And beg to remain, Gentlemen,

Your very obedient servant,

F. G. HAWORTH.

REPORTS

OF THE

Inspectors of Nuisances,

FOR THE

YEAR ENDING DECEMBER 31ST, 1908.

Sanitary Department, Municipal Offices,
Darwen. March, 1909

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

I have very much pleasure in presenting my Eighteenth Annual Report of the work carried out in the Health Department under my supervision during 1908.

REGISTER OF WORK DONE.

	Central.	South East.	South West.	Total.
Complaints	62	26	37	125
Premises Inspected, House to House	2338	3015	2818	8171
Premises Specially Inspected	91	107	88	286
Premises where Drains have been tested	19	21	14	54
Workshops	145	146	183	474
Bakehouses	53	48	46	147
Caravans	61	0	0	61
Rooms Fumigated	15	11	12	38
Nuisances Discovered	220	287	338	845
Preliminary Notices Served	167	263	294	724
Legal Notices Served	59	73	87	219
Re-Inspections	492	510	537	1539
Nuisances Abated	236	251	293	780
NUISANCES ABATED—				
Defective Drains	29	33	44	106
Defective Gullies	25	27	34	86

Nuisances Abated (Continued).—

	Central.	South East.	South West.	Total.
Waste Pipes, W.C.'s, etc. Repaired	3	5	13	21
Defective Easing Troughs and Downspouts ...	32	25	31	88
Insanitary Yards	16	20	12	48
Dirty Houses and Premises	31	20	36	87
Dirty and Dilapidated Closets	6	9	10	25
Accumulation of Refuse	23	17	20	60
Nuisances from Animals	3	5	4	12
Insanitary Ashpits	10	8	5	23
Ashtubs Without Covers	32	17	23	72
Broken Slop Pipes	27	20	42	89
Defective and Broken Waste Pipes	17	20	42	79
Choked Waste Water Closets	14	11	10	35
Broken Ashtubs	9	11	13	33
Broken Closet Receptacle Doors	11	21	15	47
Convert Pail Closets to W.C. or W.W.C.	9	24	9	42
Provide Additional Closet Accommodation ...	3	3	7	13
Construct Drains	12	7	6	25
Provide Ashes Accommodation	2	9	6	17
Overcrowding	1	4	3	8
Close Houses	0	4	7	11
Miscellaneous	4	3	3	10

During the past year I have spent considerable time in making a house to house visit in several districts, and I have obtained much information which will be useful to the department in preparing statistics.

Back to back property, open yards, passages and poor class property within the Borough has been kept under close inspection, and various nuisances discovered were dealt with immediately.

Early on in the year I reported on the very unsanitary condition of Tack Row, and am pleased to say that these houses have now been closed, and will be pulled down for a much-needed street improvement.

Some months ago I submitted the following report on the unsanitary condition of property in Astley Street district.

SANITARY OFFICES,

Darwen,

September 19th, 1908.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

Acting on the instructions of the Town Clerk I beg to submit a report on the sanitary condition, etc., of property in Astley Street, Back Astley Street, Riley Street, and Ellerslie Street.

BACK ASTLEY STREET.

Nos. 1, 2, 3, 4, to 10, have one living room and one bedroom. These houses are back to Nos. 2, 3, to 10, Astley Street, and 36 off Astley Street, but being on a higher level are back to the bedrooms of those houses. The living room contains slop-stone, the waste pipe of which discharges in a trapped gully in front of house: coal, food, etc., are also kept in living room. The window is made to open, and is 13 square feet in size. The bedrooms contain 1092 feet, and have each one window made to open, and contains 13 square feet.

The living room contains only 1008 cubic feet, the difference being the staircase not reckoned in the living space.

The closet and ashes accommodation for the whole of Back and Front Astley Street are in Back Astley Street, being on the pail and ashtub system, 13 feet from the houses.

The street is sett paved, 10 feet wide, and flagged 3 feet wide.

Average for the 10 houses 2 per house.

Nos. 11, 12, 13, 14, and 15, have 2 rooms down and 2 up.

There is one living room and small kitchen, and portion boarded off as staircase, each room contains a sash window. The slop-pipe is discharged over a trapped gulley on the footpath similar to the others. The living rooms contain 1152 cubic feet and the kitchen 392 cubic feet. The bedrooms contain 1152 cubic feet and 480 cubic feet, with the exception of No. 11, one bedroom being over the entry which passes between Nos. 10 and 11, and contains 490 cubic feet.

The average number of inmates of the 5 houses is 2½ per house. No. 14 contains man, wife, son 17, daughter 13, and daughter 7. No. 15 contains woman, daughter 14, daughter 13, lodger, male, 34.

ASTLEY STREET.

Nos. 2, 3, 4, 5, to 10 and 36 off Astley Street have one living room, one small kitchen, and two bedrooms, each bedroom being one above the other.

The living rooms contain about 1344 cubic feet in each case, and the small kitchen is at the back of the living room, and under the living rooms of the same numbers in Back Astley Street. These kitchens are small, containing about 576 cubic feet. There is a small window between the living place and kitchen, and the earthenware pipe carried through to Back Astley Street for ventilation purposes. The slop-stone is in this small kitchen, and the drain is carried under the living place to the front street. The kitchen is used for the storage of food, coal, etc The bedrooms are entered from the living place.

The number of adults in these houses are 20, average 2 per house.

The number of children in these houses are 25, average 2.5 per house.

The largest family is at No. 7—Man, wife, son 14, son 12, son 9, son 2, son 1.

The largest family is at No. 5—Man, wife, son 16, daughters 13, 9, 8, 5, and 3.

The lowest cubic space per head is 384 cubic feet.

Nos. 11, 12, 13, 14 and 15, are back to back with the same numbers in Back Astley Street. They contain one living room, one kitchen, and two bedrooms over these places.

The living rooms contain 1152 cubic feet, and the kitchen, which contains slop-stone, food-store, coal-store, and staircase, has a cubic capacity of 400 feet. The drainage in these cases discharges over trapped gullies on footpath in Astley Street. Each room contains a sash window of 9 square feet. The bedrooms contain 1152 cubic feet and 480 cubic feet, with the exception of No. 11, one room of which contains 650 cubic feet.

The average number of persons in these houses is 3·1.

No. 11 Astley Street contains—Man, wife, daughters 9, 8, 5, 2, sons 7 and 3.

No. 15 Astley Street contains—Woman, son 17, daughters 15, 13, 11, and 9.

The closet accommodation for the whole of the 30 houses are 15 pails, and the ashtubs number 17.

ELLERSLIE STREET OR MUSSEL HALL.

Nos. 9, 10, 11, 12 have 2 living and 2 bedrooms.

Nos. 13 and 14 have 1 living and 1 bedroom.

The drainage is defective, the ventilation is bad, the rooms are small and stuffy, there are no back doors, the land behind and the street in front is not paved, thus causing the houses to be very damp.

The living places of No. 9, 10, 11 and 12, contain between 800 to 1000 cubic feet

The kitchens of Nos. 9, 10, 11 and 12, contain between 470 to 700 cubic feet.

The bedrooms are as follows :—

No. 9—1 bedroom 582 feet, occupied by man and wife, average 291 feet.
1 bedroom 1274 feet, occupied by M 34, M 33, F 21, F 18, F 15, F 5, average capacity 212 cubic feet.

No. 12—1 bedroom 1100 feet, occupied by man, wife, M 8, F 3, M 2, average 366 feet.

1 bedroom 468 feet, occupied by lodger, average capacity 468 feet.

The average per house for Ellerslie Street is 4½ persons.

The closet accommodation is 4 pails, and the ashes accommodation 3 tubs.

RILEY STREET.

Nos. 1, 2, 3, and 4 Riley Street contains 2 rooms down and 2 rooms up, and are similar in size, the living rooms containing 970 cubic feet and 640 cubic feet, the bedrooms being 970 and 680 cubic feet. Each room has large windows made to open. The drainage is only fair, and the closet accommodation being 3 pails for 6 houses, including 5 and 6. The back yard is common to all the houses, and flagged.

The average number of persons per house is 3.

The largest family being at No. 2, viz. :—Man, wilfe, daughter 13, daughter 11, daughter 8, son 4, son 3, and daughter 1½.

Nos. 5 and 6 Riley Street each have 2 rooms down and 2 rooms up. The rooms are fairly large and plenty of window space, but the walls are damp.

No. 5 has been closed for over 12 months, and No. 6 is occupied by 2 women and 2 children, ages 7 years and 8 months.

The bedrooms contain 1078 cubic feet and 728 cubic feet.

The closet accommodation is the same as for No. 1, 2, 3 and 4.

Nos. 7, 8, 9, 10, 11, 12 to 15 Riley Street contain only 1 bedroom, 1 living room, and 1 small pantry partitioned from the living place. The rooms are small, containing only about 970 cubic feet in the living place, 240 in the pantry, and the bedrooms vary from 1000 to 1100 cubic feet. The rooms are low and have only small windows.

The drainage in connection with these houses is in a very good condition, having recently been reconstructed. There are no backdoors, and the closet accommodation is 6 pails.

The whole of Riley Street is paved and flagged, and the rear of the above houses has recently been flagged.

No. 10 Riley Street has 1 room down containing 680 cubic feet, and the bedroom contains 720 feet. The occupants of this house were woman, son 23, daughter 18, girl 3, girl 14 months.

The average number of inmates for the above 9 houses is—Adults 14, 22 children recorded as 16 adults, total 30, or an average of 3.3 per house.

No. 7 contained in 1 sleeping room 1050 cubic feet, occupied by woman, son 27, daughter 25, daughter 23.

No. 11 contained in 1 sleeping room 1033 cubic feet, occupied by woman, son 26, daughter 30.

The lowest cubic space per person was 262 feet.

In Back Astley Street I found the houses in a fairly clean condition. There were no accumulations of filth in the houses or street, and I attribute this to the close proximity of the closets and tubs. In Astley Street and Ellerslie Street I found some of the houses in a bad state. In several of the houses I found children in a dirty condition, while in the small kitchens there were fish, onions, milk, flour coal, opened tins of preserved meats, dirty clothes, and also slops from the bedroom. The atmosphere was also stuffy, and laden with heavy odours from the combination of articles as mentioned. The floors were dirty with a layer of dried mud from the street, and this room communicates with the bedroom. Much of the ill-health and disease in slums is directly traceable, not solely to the neglect or default of the owners of property, but to the personal defaults of the poor who live in them. The only way to cope with personal neglect of matters affecting health will only be by education of such people ; and if they are hopeless, then by the education of their children in the principles of Hygiene, so as to make its practices instruction or habitual by future generation.

ELLERSLIE STREET.

The great age of these houses renders them liable to constant repair. Built originally with no pretence at sanitary requirements they have, through years of dilapidation, become a danger to the occupants. They do not produce overcrowding upon space, but their defects, both of structure and design, make against all the benefits that abundance of pure air which fortunately surround them would give. They are so decayed and insanitary that nothing short of rebuilding them would be a real remedy. In my opinion these houses are unfit for habitation.

In 4 cases I came across families occupying 1 room, and the overcrowding which results, not only vitiates the air and leads to disease and weakly development of children, but also leads to immorality and vice, because of the necessary disregard or decency.

I am, Gentlemen,

Yours obediently,

W. E. MARSDEN.

INFECTIOUS DISEASES.

During 1908 I visited 39 cases of Infectious Disease, this being a decrease of 5 as compared with 1907.

The premises where infectious diseases broke out were carefully inspected, and in several cases the drains were tested and found in good condition. Printed and verbal instructions are given at each house, and at the termination of each case the rooms were fumigated and the infectious bedding removed for disinfection.

Four cases of Scarlet Fever were removed to Hospital.

In November a notification was received from Liverpool that the s.s. Orcoma had arrived form Lisbon with Smallpox on board, and giving the name of a man from Darwen amongst the passengers. On arrival at Darwen the man was visited, and kept under observation for 14 days, but no outbreak occurred.

The following Tables give the nature and number of the Diseases for 1907-8, and notification in each Ward 1907-8:

	Central		South-East		South-West	
	1907	1908	1907	1908	1907	1908
Scarlet Fever	6	4	4	1	2	0
Typhoid Fever	3	6	4	1	4	8
Puerperal Fever	0	0	0	0	0	3
Erysipelas	2	3	1	1	2	2
Diphtheria	2	5	9	2	5	3
Small Pox	1	0	0	0	0	0
	14	18	18	5	13	16

	Scarlet Fever		Typhoid Fever		Puerperal Fever		Erysipelas		Diphtheria		Smallpox	
	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908
January	1	1	2	1	0	0	0	0	3	3	0	0
February	2	0	0	0	0	0	0	0	6	2	0	0
March	0	0	1	3	0	0	1	2	0	1	0	0
April	3	0	0	1	0	0	0	0	2	2	1	0
May	1	0	0	0	0	0	0	0	0	0	0	0
June	3	0	0	1	0	0	0	1	1	0	0	0
July	0	0	0	0	0	0	2	0	0	1	0	0
August	0	0	1	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	1	0	0
October	0	0	1	2	0	1	0	0	2	0	0	0
November	0	2	3	3	0	2	0	1	0	0	0	0
December	2	2	3	4	0	0	2	1	2	0	0	0
	12	5	11	15	0	3	5	5	16	10	1	0

The following is a list of bedding sent to the Hospital at Bull Hill for disinfection:—Beds, Mattresses, Bolsters, Pillows, Quilts, Blankets, sheets.

	Beds	Mattresses	Bolsters	Pillows	Quilts	Blankets	Sheets	Suits of Clothes	Rugs	Sundries
1908	32	22	31	35	21	33	17	11	7	60
1907	33	23	31	35	27	37	22	4	7	80

The work of disinfecting included many cases on account of Phthisis.

FACTORIES AND WORKSHOPS.

Systematic inspection of the Workshops has been carried on, and the sanitation of the premises has been found generally good.

Bakehouses and places where wearing apparel was made received frequent visits and were found to be kept in a fairly clean condition, but in some cases it has been necessary to give instructions as to the necessity of maintaining efficient ventilation.

As regards cleanliness notices have been issued where necessary under the Factory and Workshop Act, and there is a great improvement in this respect.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOME-WORKERS PREMISES.

1.—INSPECTION.

Premises.	Number of Inspections.	Number of Written Notices.
Factories (including Factory Laundries	12	2
Workshops (Including Workshop Laundries	474	39
Workplaces Homeworkers Premises	3	0
Total	489	31

2.—DEFECTS FOUND.

NUISANCES UNDER PUBLIC HEALTH ACTS.

	Number of Defects. Found.	Number of Defects. Remedied.
Want of Cleanliness	12	12
Want of Ventilation	3	3
Overcrowding	2	2
Want of Drainage of Floors	5	4
Other Nuisances	1	1
Sanitary Accommodation Insufficient, unsuitable or Defective (not separate for Sexes)	4	4
Total	27	26

3.—OTHER MATTERS.

Class.	Number.
Matters Notified to H.M. Inspector of Factories	12

FAILURE TO AFFIX ABSTRACT OF THE FACTORY AND WORKSHOP ACT (S. 133).

Action taken in matters remediable under the Public Health Acts but not under the Factory Act (S. 5)—Reports of Action taken) sent to H.M. Inspectors	4
Action taken in matters remediable under the Public Health Acts but not under the Factory Act (S. 5)—Notified to H.M. Inspector	3
Underground Bakehouses (S. 101)	4

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131)	140
Workshop Laundries	3
Workshop Bakehouses	4
Other Workshops	6
Total Number of Workshops on Register	153

DAIRIES AND COWSHEDS.

The whole of the Dairies and Cowsheds which are registered under the regulations made by the Local Authority have been visited at least twice during the year, and particulars have been obtained as to the condition of the Cowsheds with regard to the Lighting, Ventilation, etc., the Cleanliness of Milk Vessels and Dairies, the Water Supply as regards its freedom from pollution, and also the condition of the Cattle. Although this periodical inspection does not guarantee that the Dairies and Shippons are kept constantly clean, or even as clean as they ought to be, yet it ensures a cleansing and limewashing twice a year, and this would not be the case, in many instances, if visits were not made.

Although many improvements are being carried out at various farms, there is still one very important point which apparantly receives too little attention, viz. :—the conditions under which cows are kept and milked as bearing on the cleanliness of the milk. The proper grooming of the cattle, the cleansing of the udders and teats of the cow, and the hands of the milker are neglected. Too much faith is put in the efficiency of the strainer, but even this fails, as is often seen by the dirt in milk. Inspections will not prevent this fouling of milk, but every care is taken by constant supervision and inspection to prevent it.

The following is a list of Nuisances found and remedied :—

Inspections 276

	Defects.	
	Found.	Remedied.
Gullies in Shippons	12	11
Defective Downspouts	7	7
Defective Drains	8	7
Insanitary Yards	2	0
Insanitary Shoppons	2	2
Insufficient Ventilation	4	3
Insufficient Dairy Accommodation	1	1
Defective Water Supply	1	1

BLACK SMOKE.

I have taken during 1908. 137 Smoke Observations as against 159 in 1907. The average number of minutes black smoke was just over 3¼ minutes per hour.

I give you the number of Observations for previous years with average for each year.

Year.	Observations.	Average No. of Minutes Black.
1900	41	10¼
1901	129	8
1902	14	6
1903	15	6½
1904	4	9¼
1905	30	6¼
1906	164	6¼
1907	159	¾
1908	137	3¼

During the year 9 Legal Notices were served, while the Owners of the following Mills were summoned before the Magistrates, and Orders made against them to abate the Nuisances:—New Mill, Vale Brook Mill, Spring Vale Paper Mill (2 chimneys), and Starkie Street Mill

The following is a List of Observations with the averages of Black Smoke:—

SMOKE OBSERVATIONS, AVERAGES, &c., 1908.

MILL	No. of Observations.	Average Minutes.			Apparatus	Boilers	Remarks
		Black	Mod.	None			
Culvert	3	¾	14½	44½	Hand	1	
Whitehall	2	1¼	18	40¾	Bennis's	1	
Greenfield New	1	1½	16	42½	Procters	1	
Hampden	3	1½	15½	42½	Procters	1	
Hanover	4	1½	15	43½	Bennis's	1	
Waterfield	3	1½	17	41½	Grimshaw's	1	
Two Gates	3	1¾	13½	44¾	Procter's	1	
Holme	6	1¼	14¼	44	Procter's	1	
Primrose	6	1¾	13½	44¾	Procter's	1	
Progress	4	2	13½	44½	Whittaker's	1	
Springfield	4	2¼	13½	42½	Hand	1	
Sudell Side	2	2¼	15	42¾	Procter's	1	
Marsh House	3	2½	12¼	44¼	Hand	1	
Hope	6	2½	14½	43	Hand	2	
Rose	3	2½	14½	43	Procter's	1	
Tackfield	4	2½	14¾	40¾	Hand	1	
Albert	5	3	15	41½	Hand	2	
Ellenshaw	4	3	14	43	Hand	1	
New Bridge	1	3	14½	42½	Whittaker's	1	
Darwen Spinning	6	3	15½	41½	Courts Turner	2	
Greenfield, Old	2	3	16½	40¾	Procter's	1	
Industry	2	3¼	14	42½	Hand	1	
No. 1 Spinning	5	3¼	16¼	40½	Whittaker's	2	
Brittania	5	3½	16	40½	Bennis's	1	
New Mill	3	3½	17½	39	Bennis's	2	Magistrates Order to abate Jan. 1908
Highfield	5	3¾	14	42¼	Hand	1	
Vale Brook	7	3¾	15½	40¾	Hand	1	Magistrates Order to abate Jan. 1908
Spring Vale Low Chyne	6	3¾	22¾	33½	Newton & Smalley's	4	Magistrates Order to abate April 1908
Bowling Green	5	4½	15½	39	Hand	3	
India	4	4¾	15½	39¾	Hand	6	
Starkie Street	5	4¾	15½	39¾	Hand	1	Order to Abate
South Street	5	4¾	15½	39¾	Hand	2	
Spring Vale (tall chimney)	7	5¾	22¾	31½	Newton & Smalley	4	Order to abate April 1908
Mill Gap Paper	3	11¼	17	31¼	Hand	6	

HACKNEY CARRIAGES.

As Hackney Carriage Inspector for the Borough I have issued the following Licenses :—

Licenses for Tramcars	8
Licenses for Hackney Carriages	3
Licenses for Tram Drivers	25
Licenses for Tram Conductors	23
Licenses for Hackney Carriage Drivers	3

CARAVANS AS DWELLINGS.

During the year I visited 61 Caravans, all of which settled on the Market Ground. It has not been necessary to serve any notices, the vans being in a clean condition.

INSPECTION OF FOOD.

I have spent considerable time in the inspection of Fish, Fruit, and Meat Shops, and Hawkers' Carts where food has been exposed for sale. I have condemned the following as being unfit for food :—

20 lbs. Apples. 25 lbs. Venison. 5 lbs. Tomatoes.

MISCELLANEOUS.

During the year I have submitted at each monthly meeting supplementary reports on Insanitary Property, Overcrowding in dwellings, Farms and Dairies, and Smoke Observation.

I have systematically inspected the various Day Schools and reported their condition to the Secretary of Education.

Under the Food and Drugs Act I obtained three samples of Milk, which, after analysis, were found to be pure.

I am, Gentlemen,

Your obedient servant,

W. E. MARSDEN.

SANITARY OFFICES,

February, 1909.

Northern District.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENLEMEN,

I beg to submit a Report to you of the work carried out in the District during the year ending December 31st, 1908.

The District is comprised of North-East, North-West and West-Central Wards.

The following Table gives the number of houses in each Ward at the last Census, and also shows the increase up to January, 1909.

Ward.	Houses in occupation Census, 1901.	Uninhabited Census 1901.	Building Census 1901.	Total No. Census.	Total No. Jan. 1909 not including lock-up shops, etc.	Increase from Census Jan. 1909.
W.C.	803	97	6	906	952	46
N. E.	1953	56	21	2030	2214	184
N.W.	1153	21	7	1181	1669	488
Total.	3909	174	34	4117	4835	718

During the last year 111 New Houses have been certified by the Surveyor's Department, 76 of these being in North-West Ward. Three Houses have been taken down, viz. :—2 in Tockholes Road, and 1 in Heys Lane.

INFECTIOUS DISEASES.

There were 38 Cases reported as against 39 during 1907, as follows :—

Ward.	Scarlet Fever.		Typhoid Fever.		Diphtheria.		Erysipelas.		Puerperal Fever.		Total.	
	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908	1907	1908
West-Central ...	3	2	1	0	2	2	2	0	0	1	8	5
North-East	3	6	3	3	2	0	6	7	0	0	14	16
North-West ...	8	9	6	5	2	2	1	1	0	0	17	17
Total ...	14	17	10	8	6	4	9	8	0	1	39	38

I removed 8 Persons suffering from Scarlet Fever to the Hospital, or 47 per cent. of those reported in the District.

Immediately upon the reciept of Notifications of cases of Infectious Diseases I visit the houses and make a thorough examination of the premises, any defects discovered in the drainage or sanitary arrangements I cause to be remedied as quickly as possible.

SCARLET FEVER.

Up to March 21st only 4 cases of this disease had been reported. These were very widely separated, and located in each of the three Wards. From the above date the District was entirely free from the disease until Sept. 8th, when a boy, residing in the Chapels District, was reported to be suffering, and within a very short time three more cases were notified. Upon making enquiries I found the children attended a school situated at the Northern end of the town. This School gathers many of its Scholars from a district outside the Borough boundary. A few cases of Scarlet Fever happened to have occurred amongst the children in that district, so this may have been the source of the disease. I promptly removed the cases to Bull Hill Hospital, and superintended the disinfection of the houses, bedding, etc. Acting under instructions received from the Medical Officer I reported the outbreak to Miss Glass, the School Visitor, who immediately made an examination of the Scholars in the respective classes at the School.

TYPHOID FEVER.

Eight cases were reported to have occurred in the district, viz. :—3 in North-East Ward and 5 in North-West Ward. In three cases at least, Shell Fish (mussels) had been eaten, and this was probably the cause of the trouble. I immediately reported the results of my enquiries to the Medical Officer.

At the termination of each case of infectious disease (including Phthisis) the rooms were thoroughly cleansed and disinfected, and the bedding, etc., conveyed to Bull Hill Hospital, and disinfected in the Super-Heated Steam Disinfector.

During the year 42 loads of Bedding, etc., were disinfected. The following List gives the number and kind of articles treated :—

Beds	Mattresses	Bolsters	Pillows	Quilts	Blankets	Sheets	Suits of Clothes	Carpets	Rugs	Curtains	Cushions	Shawls	Sundries	TOTAL
43	24	30	42	38	49	15	20	3	10	6	2	2	539	823

In accordance with your instructions and the general order of the Local Government Board I have endeavoured, by systematic inspection, to keep myself informed in respect of any Nuisances existing in the District, as the following summary will show :—

SUMMARY OF NUISANCES DEALT WITH IN THE DISTRICT.

New Drains Constructed	10
Defective Drains Repaired or Relaid	80
Waste Pipes Trapped and Disconnected from Drains	3
Defective Soil Pipes Repaired	4
Defective Water Closets Repaired	6
Defective Roofage, Downspouts and Easing Troughs Repaired	91
Insanitary Yards Flagged	29
Dirty Houses and Premises Limewashed, etc	63
Houses Insufficiently Ventilated and Overcrowded	25
Filthy Closets Limewashed and Cleansed	30
Insufficient or Insanitary Closet Accommodation	122
Accumulations of Refuse Removed	48
Nuisances Arising from the Keeping of Animals	4
Choked Waste Water Closets Cleansed and Repaired	42
Insanitary Ashpits Abolished and Tubs or Bins Provided	9
Ashtubs Provided with Covers	8
Broken Slop Pipes Repaired	33
Dangerous Buildings Repaired or Rebuilt	12
Broken Ashestubs Repaired, etc	5
Broken Closet Receptacle Doors Repaired	38
Water Supply Insufficient	3
Factory Chimneys emitting Black Smoke beyond Time Limit	5
Nuisances of a Miscellaneous Character	8
Total Number of Nuisances Discovered in District	674

Letters Written Respecting Nuisances, etc	125
Preliminary Notices Served Respecting Nuisances	487
Legal Notices Served Respecting Nuisances	274
Number of Re-Inspections	2908
Number of Nuisances Abated (including outstanding Nuisances Discovered in 1907)	642
Number of Houses and Premises Inspected	7550
Number of Inspections of Refuse Tips	88
Number of Inspections of Schools and Public Buildings	96
Complaints Received and Investigated	127

COMPLAINTS.

During the year 127 complaints have been received and enquired into. In a few cases I found the nuisances were caused by leaky gas mains or leaky water pipes. I at once reported these defects to the proper authorities, and the repairs were done without delay. In many other instances (after testing) I found the drainage in a defective condition, allowing sewage to escape from the pipes and saturate the surrounding soil, thus giving rise to serious nuisances. I caused these defects to be remedied.

Choked waste water closets were again responsible for a very large number of the complaints. The closets were opened, and the drains repaired as quickly as possible.

During the year I have had to report various owners of property to the Committee for non-observance of Legal Notices which had been served upon them. Warning letters were sent in each case by the Town Clerk. I am pleased to say the letters were effectual in securing the abatement of the Nuisances, without having to resort to magisterial proceedings.

OVERCROWDED HOUSES.

The whole of the dwelling houses in the poorer parts of my district were kept under constant supervision throughout the year.

During September I submitted a Special Report to the Health Committee respecting 207 houses occupied by the poorer classes. In the report full particulars were given respecting the sanitary condition, the number of living and sleeping rooms, the cubic capacity of the rooms, the number of occupants in each house, together with other information.

Eight of the above houses were found to be overcrowded, but as the inmates happened to be members or relatives of the same families, and considering the depression which existed in the cotton trade at the time, it was not deemed prudent to take any legal action. I induced two of the families to move into larger houses.

In two other cases the houses were overcrowded by lodgers. The owners of the property were however successful in obtaining ejectment orders from the magistrates, and the nuisances were therefore abated without any further pressure being necessary on our part.

The Medical Officer of Health and I visited many of the above houses together, and we were successful in inducing one owner to close two houses in the Hey Fold district, which, in our opinion, were totally unfit for human hibitation.

DAIRIES, COWSHEDS AND MILKSHOPS.

The whole of the Farms, etc., in the Northern District were kept under constant supervision during the year. The Dairies, Cowsheds, and Milkshops Regulations have been strictly enforced, resulting in the following improvements having been effected :—

Lighting and Ventilation of Shippons Improved	5
Shippon Pavement Re-Laid and Repaired	4
Swine kept too near Dwelling House	1
Drains Re-Constructed	1
Insufficient Water Supply	3
Defective Drains Repaired	2
Drains Removed from Dairies and Shippons	6
New Middensteads Constructed	2
Dirty Shippons and Dairies Limewashed	5
Repairs to Roofage of Shippons	2
Closets Converted to Water Closet System	2
Shippon Overcrowded	1
Settling Tanks Provided	2

It will be seen from the foregoing statement that a great deal of work was done, and the farms, etc., consequently very much improved. Five Shippons were thoroughly overhauled and more efficiently ventilated and lighted. On many occasions I visited the Shippons whilst the cows were being milked in order to ascertain if the byelaws were being complied with respecting (*a*) the cleansing of the cows' udders and teats, (*b*) the cleansing of the persons hands, (*c*) the cleanliness of the milk vessels. It was not necessary to report any person to the Committee for contravention of the above byelaws.

I had occasion to draw the attention of several of the farmers to the length of time the dung was allowed to lie on the shippon floor, and consequently there has been a gradual improvement in this respect. Some of the farmers are very dilatory in regard to the limewashing of the shippons and dairies, and only comply with the regulations after a great deal of pressure. It is very obvious that they do this work simply because they are compelled, and not in their own and the public interest.

WATER SUPPLIES.

I have continued the examination of the various sources of supply, and in my Monthly Reports the results of my investigations have been stated in detail.

During April I found the supply of water to three farms had failed, and the occupiers were using water from the condemned source, viz. :—The brook, the water was running to waste from the spring, and ultimately it was discovered that the piping which conveyed the water to the farms was in a very leaky condition. I wrote the owners and they very readily repaired the piping.

When making my Inspections I have delivered at each Farm copies of the Regulations under the Dairies, Cowsheds and Milkshops Orders, also Leaflets respecting the Diseases of Cattle, etc., published by the Board of Agriculture.

BLACK SMOKE NUISANCE.

The Nuisance arising from the Emission of Black Smoke from Factory Chimneys has received my special attention: During the year I have submitted reports of 138 Observations, each of one hour's duration. The following is the time limit :—

One, Two, or Three Boilers, 5 Minutes per hour.

Four, or more Boilers, 7 Minutes per hour.

From the following particulars you will observe that Black Smoke was emitted in excess of the time limit from the Chimneys of 5 factories as against 19 last year. Statutory Notices were served, calling for the abatement of the nuisance, and in one instance legal proceedings were instituted under the direction of the Council for non-compliance with the notices. The Justices convicted, and an "Order to Abate" was issued, the defendants paying costs.

The Analysis of the Observations show an average Emission of Black Smoke of 2.18 minutes per hour. The Average for 1907 was 2.15.

During the whole of the year there was a serious depression in the Cotton Trade, several of the mills being closed for a considerable time, whilst others worked short time, and in nearly all the mills the weavers were playing for one or more warps, so that hard stoking was not necessary. It is therefore useless making comparisons with previous years.

Particulars of Observations taken during the Year.

Mill.	Black Smoke.	Moderate Smoke.	Slight Smoke.	Not Smoking.	Date reported to Committee.	Legal Notices Served.	No. of Boilers.	Stoking Apparatus.
Anaglypta	1	6½	13	39½	May 21	—	1	Hand fired.
,,	3½	8½	8½	39½	July 13	...	—	,,
,,	3½	9	9	38½	Nov. 25	—	...	,,
Anchor	1	1½	3½	54	May 21	—	1	Bennis's Self Feeding Stoker movable bars.
,,	1	10	28	21	Sept. 24	—	...	
,,	0	1	11	48	Sept. 24	—	...	
Barley Bank	3	6½	10	40½	Feby. 20	...	1	Prosecuted Dec. 19th, 1907
,,	0	0	14½	45½	March 26	—	...	
,,	½	2½	16	41	March 26	...	—	
,,	1½	3½	10½	44½	May 21	—	...	
,,	0	7	11	42	June 25	—	...	
,,	1	2½	8	48½	July 13	—	...	
,,	3	6½	4½	46	Aug. 27	—	...	
,,	1	3	10½	45½	Sept. 24	—	...	
,,	1	2½	4	52½	Nov. 25	—	...	
Bank Top	1½	12½	26½	19½	Jan. 23	—	1	Proctor's Self-feeding Stoker
,,	20	36	4	0	March 26	Apr. 7		
,,	1	9½	16½	33	May 21	—	...	
,,	3	10½	27	19½	June 25	—	...	
,,	3	6	10	41	Aug. 27	—	...	
,,	5	26	17	12	Oct. 17	—	...	
,,	4	34½	14½	7	Nov. 25	—	...	
Belgrave	5½	11½	18½	24½	Jan. 23	Feb. 5	3	Bennis's Stoker with movable bars, fixed to One boiler only
,,	2½	8½	22	27	May 21	—	...	
,,	0	6½	23	30½	June 25	—	...	
,,	1	9½	28	21½	Nov. 25	—	...	
Belgrave (South)	5	16	16	23	Jan. 23	—	3	Proctor's Stokers, Sprinklers only. Hand-firing resorted to also.
,,	6	9½	13	31½	Feb. 20	Mar. 2		
,,	6	11	11	32	April 23	—	...	Prosecuted May 7th, 1908, "Order to Abate."
,,	2	7½	16	34½	July 13	—	...	
,,	1½	9½	23½	25½	Aug. 27	—	...	
,,	1	14½	44½	0	Oct. 17	—	...	
,,	3	20½	21	15½	Dec. 24	—	...	
Bottom Croft	4½	19	19½	17	Feb. 20	—	2	Hand Fired
,,	1½	10½	8½	39½	April 23	...	...	The Court Turner Smoke Preventing Apparatus has been fixed to each boiler

Particulars of Observations taken during the Year.—(Continued).

Mill.	Black Smoke.	Moderate Smoke.	Slight Smoke.	Not Smoking.	Date reported to Committee.	Legal Notices served.	No. of Boilers.	Stoking Apparatus.
Bottom Croft	2½	14	20½	23	May 21	—		
,,	3	17	18	22	June 25	—		
,,	2½	18½	8½	30½	July 13	—		
,,	3	16	16½	24½	Aug. 27	—		
,,	2	17½	11	29½	Oct. 17	—		
,,	3½	17	11½	28	Dec. 24	—		
Brookside	5	19½	13	22½	March 26	—	1	Hand Fired.
,,	2½	10½	10	37	April 23	—		
,,	3	12½	14½	30	June 25	—		
,,	7	17	6½	29½	July 13	Aug. 21		
Carrs	½	7	30	22½	Feb. 20	—		Bennis's with movable bars.
,,	0	10½	41½	8	Dec. 4	—		
Cobden	0	5	15½	39½	April 23	—		Proctor's Stoker with movable bars.
,,	0	1	18	41	May 21	—		
,,	1	10	27	22	July 13	—		
,,	½	2½	36½	20½	Sept. 24	—		
,,	0	1	11	48	Dec. 24	—		
Cotton Hall Spinning	0	4	43	13	March 26	—	2	Bennis's Stoker with movable bars.
Cotton Hall Weaving	1½	8½	30	20	Jan. 23	—	1	Proctor's Stoker with movable bars.
,,	4½	13	20½	22	March 26	—		
,,	½	15½	22	22	May 21	—		
,,	1	7	29	23	July 13	—		
,,	2½	7	25	25½	Sept. 24	—		
,,	1	11	28	20	Nov. 25	—		
Dove	5	17	15½	22½	Feb. 20	—	1	Hand Fired
,,	5	8½	8	38½	May 21	—		
,,	1	7	6½	45½	June 25	—		
Electricity	4	19	8½	28½	May 21	—	2	Hand Fired
,,	½	2½	17	40	Oct. 17	—		
Eccleshill Iron Chimney	½	8½	14	37	May 21	—	2	Hand Fired
,,	4	19	8½	28½	May 21	—		
,,	3	5	21½	30½	Aug. 27	—		
,,	2½	7	12½	38	Nov. 25	—		
George Street	1	26½	25	7½	March 26	—	2	Proctor's to 1 boiler, Whittaker's to 1 Draught induced by fan.
,,	1	10	29	20	May 21	—		
,,	1½	15	25½	18	June 25	—		
Hey Fold	2	4½	15½	38	Jan. 23	—	2	Hand Fired
,,	1	7½	11½	40	March 26	—		
,,	0	8	23	29	April 23	—		
,,	2½	17½	9	31	June 25	—		
,,	1½	15	7½	36	July 13	—		
,,	1	7½	11½	40	Aug. 27	—		

Particulars of Observations taken during the Year.—(Continued).

Mill.	Black Smoke.	Moderate Smoke.	Slight Smoke.	Not Smoking.	Date reported to Committee.	Legal Notices served.	No. of Boilers.	Stoking Apparatus.
Hill Side	2	14½	28½	15	April, 23	—	1	Whittaker's Stoker, Sprinklers only.
,,	2½	22½	21	14	Aug. 27	—		
,,	3½	13	14½	29	Nov. 25	—		
Hindle Street	2	6½	23	28½	Jan. 23	—	1	Whittaker's Stoker, Sprinklers only.
,,	4½	12½	24	19	March 26	—		
,,	1½	3	16½	39	Aug. 27	—		
Hollins Tall Chimney	6	17½	12½	24	April 23	Dec. 2	4	Hand Fired.
,,	7	31	13½	8½	May 21	—		
,,	6	11	11	32	July 13	—		
,,	7	14½	14	24½	Oct. 17	—		
,,	4½	11	21½	23	Nov. 25	—		
,,	8½	29½	13	9	Dec. 24	Jan. 14		
Hollins Low Chimney	6	19½	11	23½	March 26	—	3 &1	Furnace Hand Fired
,,	5	15	21	19	Sept. 24	—		
Hollins Grove	0	12	34½	13½	Jan. 23	—	2	Bennis's Stokers with movable bars.
,,	0	3	23½	33½	April 23	—		
,,	0	24	28	8	July 13	—		
,,	2	30	20	8	Aug. 27	—		
,,	1½	14½	40	4	Oct. 17	—		
,,	1	18	30	11	Dec. 24	—		
Lorne Street	2	3	11½	43½	Jan. 23	—	1	Hand Fired.
,,	0	4	12	44	Feb. 20	—		
,,	0	5	8½	46½	April 23	—		
,,	1	6½	10½	42	June 25	—		
,,	2½	9	11½	37	July 13	—		
,,	1	6½	20½	32	Aug. 27	—		
,,	1	3	17	39	Oct. 17	—		
,,	3½	11½	7½	37½	Dec. 24	—		
Orchard	2	13½	33	11½	Jan. 23	—	3	Proctor's Stoker with movable bars, fixed to one boiler only.
,,	3	13	27½	16½	March 26	—		
,,	2	10	36½	11½	April 23	—		
,,	1	10	29	20	May 21	—		
,,	2½	9½	17	31	July 13	—		
,,	1	4	25	30	Aug. 27	—		
,,	4	11½	31½	13	Sept. 24	—		
,,	2½	22½	32	3	Nov. 25	—		
,,	3½	8	41	7½	Dec. 24	—		
Provident	0	6	20	34	March 26	—	1	Bennis's with moavble bars.
Pee	0	5	13½	41½	May 21	—		Leach's, Sprinklers only.
,,	0	1	8	51	July 13	—		
,,	1½	11½	17	30	Sept. 24	—		
,,	0	1	27	32	Dec. 24	—		
Radford Street	0	0	16	44	Feb. 20	—	1	Bennis's with movable bars.

Particulars of Observations taken during the Year.—(Continued).

Mill.	Black Smoke.	Moderate Smoke.	Slight Smoke.	Not Smoking.	Date reported to Committee.	Legal Notices served.	No. of Boilers.	Stoking Apparatus.
Robert Street	3	6	8	43	April 23	—	1	Hand Fixed.
,,	½	5½	7½	46½	June 25	—		
Springfield	0	0	35	25	Feb. 20	—	1	Proctor's with movable bars
,,	1½	26	24½	8	Dec. 24	—		
Triperies	2	6	4	48	June 25	—	1	Hand Fired.
Union Street Saw Mills	1	1	3½	54½	Dec. 24	—	1	Hand Fired.
Vale Street	0	15	29	16	June 25	—	1	Bennis's with movable bars and Automatic Damper.
,,	0	4	20	36	Sept. 24	—		
Woodfold	2½	10	15½	32	Feb. 20	—	1	Proctor's with movable bars
,,	0	2	10	48	June 25	—		
,,	½	13½	19	27	July 13	—		
,,	½	18½	23½	17½	Aug. 27	—		
,,	0	5	12	43	Oct. ...	—		
,,	2	30	21	7	Nov. 25	—		
,,	1½	13½	25	20	Dec. 24	—		
Woodside	0	9	33	18	April 23	—	2	Bennis's with movable bars.
,,	0	21½	29	9½	June 25	—		
,,	0	9	29	22	Aug. 27	—		

SCHOOLS.

There are 13 Public Elementary Schools in the Northern District. These have been regularly visited, particularly during each vacation, to ascertain if the cleansing was being carried out in accordance with your requirements. I submitted detailed Reports to the Committee. It was necessary in a few instances to write the Secretaries respecting certain work which had not been carried out. On the whole there is a decided improvement in the condition of the Schools.

TRIPERIES.

I have visited these works regularly during the year. I found work being carried out in a satisfactory manner.

FACTORIES, WORKSHOPS AND BAKEHOUSES.

Systematic inspection of these places of employment has been carried out and the usual Register kept. 290 visits have been paid to them. As previously stated in the Medical Officer's Report, this constant supervision has resulted in a general improvement.

Thirty Defects were discovered and dealt with as shown in the Government Table included in the Medical Officer's Report.

Want of Cleanliness	10
Want of Ventilation	2
Defective Drainage	4
Defective or Insufficient Sanitary Accommodation	8
Accumulations of Refuse	3
Other Nuisances	3

The Bakehouses have received attention, 181 visits having been paid to them. All reasonable precautions are taken in order that wholesome articles of food may be produced. There are three certified Underground Bakehouses in the Northern District.

The Limewashing and Cleansing were carried out in accordance with the provisions of the Factory and Workshop Act.

The following is a list of the Workshops on the Register :—

Dressmakers and Milliners	31	Boot and Shoe Makers	20
Stocking Knitter	1	Confectioners and Bakers	31
Cycle Repairers	3	Gutscraper	1
Tin Plate Workers	4	Plumbers	7
Saddlers	3	Loom Slay Makers	1
Tailors	4	Tailoress	1
Furniture Polish Manufacturers	1	Cabinet Makers	2
Uhpolsterers	1	Joiners	3
Wheelwrights	2	Tripe Dressers	3

FOOD AND DRUGS ACTS.

One Sample of Milk was submitted to the County Analyst, who reported the same to be genuine.

FOOD INSPECTION.

I have kept a sharp look out during the year over the various articles of food offered for sale for human consumption in the district, and have had no cause for complaint.

MODEL LODGING HOUSE.

I have kept this house under constant supervision, and have always found it in a satisfactory condition. The whole of the house was thoroughly disinfected under my supervision during the year. I have also paid occasional visits about midnight and checked the books.

The following Table shows the average number of occupants for each month during the last four years :—

	1905	1906	1907	1908
January	62.8	75.1	80.5	77.2
February	65.2	77.2	81.2	87.9
March	70.1	73.8	93.2	87.2
April	80.2	81.1	95.1	88.2
May	79.2	84.2	86.1	90.2
June	75.1	96.2	82.2	93.2
July	64.4	80.3	84.3	85.9
August	70.2	60.2	86.1	80.5
September	69.1	72.1	97.2	74.7
October	69.1	81.1	90.2	76.9
November	87.1	81.4	92.2	72.1
December	74.0	75.3	78.3	69.1
Average	72.2	78.1	87.2	81.9

CARAVANS.

I inspected several Caravans which were located in various parts of the district. but found no cause for complaint.

At each Monthly Meeting of the Health Committee I have submitted a detailed Report of the work carried out in my District.

87 Agreement Forms have been signed by Owners of Property in the Northern District for the Corporation workmen to carry out repairs, etc., to Back Yards, Drains, Waste Water Closets, etc. This work has been done under my supervision. I also superintended the conversion of a very large number of Pail Closets to the Water or Waste Waste Carriage System.

I am, Gentlemen,

Yours obediently,

C. R. WALSH, Assoc. R. San. Inst., etc.

Inspector of Nuisances.

SUPERINTENDENT'S OFFICE,
CLEANSING DEPARTMENT.

To the Chairman and Members of the Health Committee.

GENTLEMEN,

I beg to submit to you my Annual Report for the year ending December 31st, 1908.

The following is a Summary of the Work done from January 1st to December 31st, 1908 :—

	Tons.	Cwts.	Qrs.
House Refuse to Destructor	10565	7	2
Market Garbage to Destructor	283	12	0
Slaughter Garbage to Destructor	46	1	0
	10895	0	2

Mattresses, Beds, etc., to Destructor	947	
Dogs, Cats, Fowl, etc., to Destructor	40	
Clinkers Removed from Destructor	3,823	Loads.
Excreta to Sewage Works	6,662	,,
Sweepings to Various Tips	2,387	,,
Sweepings Deposited by Handcarts at Destructor	2,846	,,
Gully Wreck to Various Tips	1,159	,,
Water Deposited on Streets	1,233	,,
Length of Streets Swept by Machine	303½	Miles.
Length of Streets Swept by Hand	1,870¾	,,
Street Gullies Emptied	34,415	
Back Yard Gullies Emptied	35,844	
Excreta Pails Emptied	387,510	
Ashtubs Emptied	336,715	
Ashpits Emptied	1,771	
Ashtubs Added During the Year	191	
Pails Brought in from Closet Alterations	119	
Snow Removed from Streets	549	Loads.

Yours Obediently,

JOSEPH NICCOLL,

Cleansing Superintendent.

SLAUGHTER HOUSES REPORT FOR THE YEAR, 1908.

To the Chairman and Members of the Slaughter Houses Committee.

GENTLEMEN.

I beg to submit to you a Summary of the Work done during the year 1908.

The number of Cattle Slaughtered are as follows :—

1908	Beasts	1403	Against 1907	Beasts	1445
,,	Sheep	7104	,,	Sheep	7208
,,	Calves	139	,,	Calves	147
,,	Swine	717	,,	Swine	719
		9363			9519

Showing a Decrease of 156 Head. This I attribute to the bad times in the Cotton Trade.

PRIVATE PREMISES.

1908	Beasts	836	Against 1907	Beasts	926
,,	Sheep	4654	,,	Sheep	4489
,,	Calves	182	,,	Calves	227
		5672			5642

This shows an increase of 30 Head.

TRIPERIES.

There are about 6 tons per week of Tripe, Cow Heels and Sheep Feet, prepared for human consumption, part comes from Glasgow, Birkenhead and Liverpool

BUTCHERS VANS.

I constantly watch to see that nothing comes into the Borough of a doubtful character, and that the Vans are kept in a clean condition. Everything has been satisfactory.

LICENSES ISSUED DURING THE YEAR.

I have issued Licenses for the Slaughtering of 60 Animals, viz. :—49 Swine, 9 Sheep and 2 Goats, which I have inspected and found fit for food.

MEAT UNFIT FOR FOOD.

The following have been submitted and given up to me for destruction as unfit for food.:—

- 2 Beasts.
- 21 Sheep
- 8 Swine.
- 2 Tons 12 Cwt. Offalings.
- 2 Pigs Heads.
- Internal Organs of 3 Beasts.

Gentlemen,

I remain, your humble servant,

Wm. BICKERSTAFFE.

Meat Inspector.